



U.S. Department
of Homeland Security
**United States
Coast Guard**

LOCAL NOTICE TO MARINERS

District: 5

Week: 41/16

COASTAL WATERS FROM SHREWSBURY RIVER, NEW JERSEY TO LITTLE RIVER, SOUTH CAROLINA

The Local Notice to Mariners contains all information relevant to the waterways within the Fifth Coast Guard District and is updated each Tuesday on the U.S. Coast Guard Navigation Center website at <http://www.navcen.uscg.gov/?pageName=lnmDistrict®ion=5>.

If you have questions about the Fifth Coast Guard District Local Notice to Mariners (LNM), please contact:

COMMANDER
FIFTH COAST GUARD DISTRICT (dpw)
431 Crawford Street
Portsmouth, Virginia 23704

or for correspondence and article requests:

ward.b.posey@uscg.mil, (757) 398-6229 or matthew.e.kearney@uscg.mil, at (757) 398-6552 or CGD5Waterways@uscg.mil

All bearings are in degrees TRUE - All times are in Local Time unless otherwise noted.

AIDS TO NAVIGATION DISCREPANCY REPORTING

To report any Aids to Navigation discrepancies (missing, damaged, extinguished lights, off station), shoaling or hazards to navigation, discrepancies to bridge lighting, please contact the following 24 hour numbers:

1. For PA, NJ, DE waters, coastal and tributaries contact COGARD SECTOR DELAWARE BAY at (215) 271-4940.
2. For MD, DE in the Upper Chesapeake Bay and tributaries contact COGARD SECTOR MARYLAND NATIONAL CAPITAL REGION at (410) 576-2525.
3. For VA in Lower Chesapeake Bay below Smith Point Light and tributaries and VA, MD Eastern Shore Bay and coastal contact COGARD SECTOR HAMPTON ROADS at (757) 483-8567.
4. For NC waters, coastal and tributaries contact COGARD SECTOR NORTH CAROLINA at (910) 343-3882.

REFERENCES

Light List: ATLANTIC COAST, VOLUME II, COMDTPUB P16502.2, 2016 Edition.
U.S. Coast Pilot 3, Atlantic Coast: Sandy Hook, NJ to Cape Henry, VA, 2016 (49th) Edition.
U.S. Coast Pilot 4, Atlantic Coast: Cape Henry, VA to Key West, FL, 2016 (48th) Edition.

NAVIGATIONAL INTERNET SITES

2016 Light List/ Summary of Corrections.

<http://www.navcen.uscg.gov/index.php?pageName=lightListCorrections>

Bridges Public Notice Website.

<http://www.navcen.uscg.gov/?pageName=pnBridges>

NOAA Chart Corrections and Chart Viewer

<http://www.nauticalcharts.noaa.gov>

Coast Pilots, along with corrections are available at

<http://www.nauticalcharts.noaa.gov/nsd/cpdownload.htm>

D5 LNM Archived Back Issues

<http://www.navcen.uscg.gov/?pageName=lnmDistrict®ion=5>

Chesapeake Bay Weather Buoys

<http://www.cbos.org>

Tides, Currents, PORTS

<http://www.tidesandcurrents.noaa.gov/>

Weather

<http://www.weather.gov/>

U.S. Army Corps of Engineers Willimington District Survey Maps and Shoaling Surveys

ABBREVIATIONS

A through H

ADRIFT - Buoy Adrift
 AICW - Atlantic Intracoastal Waterway
 AI - Alternating
 B - Buoy
 BKW - Breakwater
 bl - Blast
 BNM - Broadcast Notice to Mariner
 bu - Blue
 C - Canadian
 CHAN - Channel
 CGD - Coast Guard District
 C/O - Cut Off
 CONT - Contour
 CRK - Creek
 CONST - Construction
 DAYMK/Daymk - Daymark
 DBN/Dbn - Daybeacon
 DBD/DAYBD - Dayboard
 DEFAC - Defaced
 DEST - Destroyed
 DISCON - Discontinued
 DMGD/DAMGD - Damaged
 ec - eclipse
 EST - Established Aid
 ev - every
 EVAL - Evaluation
 EXT - Extinguished
 F - Fixed
 fl - flash
 FI - Flashing
 G - Green
 GIWW - Gulf Intracoastal Waterway
 HAZ - Hazard to Navigation
 HBR - Harbor
 HOR - Horizontal Clearance
 HT - Height

I through O

I - Interrupted
 ICW - Intracoastal Waterway
 IMCH - Improper Characteristic
 INL - Inlet
 INOP - Not Operating
 INT - Intensity
 ISL - Islet
 Iso - Isophase
 kHz - Kilohertz
 LAT - Latitude
 LB - Lighted Buoy
 LBB - Lighted Bell Buoy
 LHB - Lighted Horn Buoy
 LGB - Lighted Gong Buoy
 LONG - Longitude
 LNM - Local Notice to Mariners
 LT - Light
 LT CONT - Light Continuous
 LTR - Letter
 LWB - Lighted Whistle Buoy
 LWP - Left Watching Properly
 MHz - Megahertz
 MISS/MSNG - Missing
 Mo - Morse Code
 MRASS - Marine Radio Activated Sound Signal
 MSLD - Misleading
 N/C - Not Charted
 NGA - National Geospatial-Intelligence Agency
 NO/NUM - Number
 NOS - National Ocean Service
 NW - Notice Writer
 OBSCU - Obscured
 OBST - Obstruction
 OBSTR - Obstruction
 Oc - Occulting
 ODAS - Anchored Oceanographic Data Buoy

P through Z

PRIV - Private Aid
 Q - Quick
 R - Red
 RACON - Radar Transponder Beacon
 Ra ref - Radar reflector
 RBN - Radio Beacon
 REBUILT - Aid Rebuilt
 RECOVERED - Aid Recovered
 RED - Red Buoy
 REFL - Reflective
 RRL - Range Rear Light
 RELIGHTED - Aid Relit
 RELOC - Relocated
 RESET ON STATION - Aid Reset on Station
 RFL - Range Front Light
 RIV - River
 RRASS - Remote Radio Activated Sound Signal
 s - seconds
 SEC - Section
 SHL - Shoaling
 si - silent
 SIG - Signal
 SND - Sound
 SPM - Single Point Mooring Buoy
 SS - Sound Signal
 STA - Station
 STRUCT - Structure
 St M - Statute Mile
 TEMP - Temporary Aid Change
 TMK - Topmark
 TRLB - Temporarily Replaced by Lighted Buoy
 TRLT - Temporarily Replaced by Light
 TRUB - Temporarily Replaced by Unlighted Buoy
 USACE - Army Corps of Engineers
 W - White
 Y - Yellow

Additional Abbreviations Specific to this LNM Edition: None

SECTION I - SPECIAL NOTICES

This section contains information of special concern to the Mariner.

**** FIFTH COAST GUARD DISTRICT LOCAL NOTICE TO MARINERS - NEW INFORMATION IN THE LOCAL NOTICE TO MARINERS ****

In an effort to bring attention to new or changed information in the Local Notice to Mariners (LNM) new and changed entries will be preceded and followed by four asterisks.

LNM: 25/16

NJ – GREAT EGG HARBOR BAY – DRAG CHANNEL – ROUTE 9, BEESLEY POINT BRIDGE DEMOLITION

Route 52 Construction will be continuing demolition work on remaining portion of the Route 9, Beasley Point Bridge, over Great Egg Harbor Bay, in Marmora, NJ, from August 23 through October 20, 2016. The Coast Guard is establishing a Safety Zone on all the water within 250 feet of demolition work being conducted within the main navigational channel. Vessel traffic will be re-routed through an alternate channel to facilitate heavy equipment operating in the main navigational channel. The alternate channel will be established 100 feet south of the most southern portion of the bascule span which will have a horizontal clearance of 60 feet and an unlimited vertical clearance. The alternate navigational channel will be clearly marked by red and green lighted buoys to signify the channel. Vessels are required to contact the demolition crew via

VHF-FM channel 13 or 16 to make satisfactory passing arrangement and maintain a safe speed when transiting the alternate navigational channel. Mariners are advised to proceed with caution when transiting the area.

Chart 12316

LNM: 34/16

NC - HAZARDS OF NORTH CAROLINA COASTAL INLETS

This notice is to notify mariners about accessing hazardous inlets, to heighten public awareness about the hazards that exist in and around the inlets, and to provide the mariner with available information. Mariners are advised that shoaling conditions exist at following North Carolina coastal inlets:

Oregon Inlet Hatteras Inlet

Ocracoke Inlet Barden Inlet

Beaufort Inlet Bogue Inlet

New River Inlet Topsail Inlet

Masonboro Inlet Carolina Beach Inlet

Lockwoods Folly Inlet Shallotte Inlet

Shoaling conditions increase the potential for groundings. These inlets are subject to continual and sometimes rapid environmental changes.

Mariners are highly encouraged to obtain the most recent U.S. Army Corps of Engineers Wilmington, North Carolina District hydrographic survey information, centerline waypoints and controlling depth at:

<http://www.saw.usace.army.mil/Missions/Navigation/HydrographicSurveys.aspx>

Mariners should use caution when navigating in these areas and passage through the inlets is not recommended without local knowledge of the area. The aids to navigation in these inlets may not be charted and may not be marking best water due to continually shifting shoals. Consult Local Notice to Mariners, 5th Coast Guard District for the latest positions and status of aids to navigation:

<http://www.navcen.uscg.gov/?pageName=InmDistrict®ion=5>

To report any aids to navigation discrepancies (missing, damaged, off station, extinguished lights), shoaling, hazards to navigation, or discrepancies on bridge lighting, please contact Sector North Carolina Command Center (910) 343-2200.

LNM: 17/16

CAUTION TO BE USED IN RELIANCE UPON AIDS TO NAVIGATION

The aids to navigation depicted on charts comprise a system of fixed and floating aids with varying degrees of reliability. Therefore, prudent mariners will not rely solely on any single aid to navigation, particularly a floating aid. With respect to buoys, the buoy symbol is used to indicate the approximate position of the buoy body and the sinker, which secures the buoy to the seabed. The approximate position is used because of practical limitations in positioning and maintaining buoys and their sinkers in precise geographical locations. These limitations include, but are not limited to, inherent imprecision's in position fixing methods, prevailing atmospheric and sea conditions, the slope of and the material making up the seabed, the fact that buoys are moored to sinkers by varying lengths of chain, and the fact that buoy body and/or sinker positions are not under continuous surveillance but are normally checked only during periodic maintenance visits which often occur more than a year apart. The position of the buoy body can be expected to shift inside and outside the charting symbol due to the forces of nature. The mariner is also cautioned that buoys are liable to be carried away, shifted, capsized, sunk, etc. Lighted buoys may be extinguished or sound signals may not function as the result of ice, running ice or other natural causes, collisions, or other accidents. For the foregoing reasons, a prudent mariner must not rely completely upon the position or operation of floating aids to navigation, but will also utilize bearings from fixed objects and aids to navigation on shore. Further, a vessel attempting to pass close aboard always risks collision with a yawing buoy or with the obstruction the buoy marks.

LNM: 13/16

NOAA – NATIONAL WEATHER SERVICE - FTP MAIL SYSTEM CHANGES

The Marine, Tropical and Tsunami Services Branch of the National Weather Service (NWS) wants to inform you of an important change in the NWS' FTPMail system. FTPMail is very popular system for mariners to request and receive NWS marine weather products via email. The Service Change Notice linked below highlights the change to the email address used to request and receive NWS Products via email.

<http://www.nws.noaa.gov/os/notification/scn16-37ftpmail.htm>

The New FTPMail Service Email Address is NWS.FTPMail.OPS@noaa.gov and it is currently active. Both email addresses will work to request and receive products via FTPMail until October 6 when ftpmail@ftpmail.nws.noaa.gov address is planned for decommissioning. NWS recommends users begin transitioning to the new email address by October 6, 2016 to ensure continuing responses to FTPMail requests.

LNM: 37/16

INTERFERENCE WITH AIDS TO NAVIGATION

U. S. Code, Title 14, Part I, Chapter 5, § 84

It shall be unlawful for any person, or public body, or instrumentality, excluding the armed forces, to remove, change the location of, obstruct, willfully damage, make fast to, or interfere with any aid to navigation established, installed, operated, or maintained by the Coast Guard pursuant to section 81 of this title, or with any aid to navigation lawfully maintained under authority granted by the Coast Guard pursuant to section 83 of this title, or to anchor any vessel in any of the navigable waters of the United States so as to obstruct or interfere with range lights maintained therein. Whoever violates the provisions of this section shall be guilty of a misdemeanor and shall be fined not more than \$1,500 for each offense. Each day during which such violation shall continue shall be considered as a new offense.

LNM: 13/16

NOAA PRODUCTION OF LITHOGRAPHIC

Traditional printing of NOAA paper nautical charts was discontinued April 13, 2014. NOAA will continue to create and maintain other forms of nautical charts, including the increasingly popular Print on Demand (POD) charts, updated paper charts available from NOAA-certified printers. NOAA electronic navigational charts (NOAA ENC®) and raster navigational charts (NOAA RNC®), used in a variety of electronic charting systems, are also updated weekly and are available for free download from the Coast Survey website. For more information, please visit NOAA's Office of Coast Survey's homepage at <http://www.nauticalcharts.noaa.gov/>. The POD charts produced by NOAA's POD partners are, and will continue to be considered published by NOAA, and will meet all mandatory carriage requirements as specified by navigation safety regulations: 33 CFR 164.01 and 33CFR 164.33.

LNM: 13/16

U.S. COAST GUARD AUXILIARY – PUBLIC EDUCATION CLASSES – FIND BY ZIPCODE

The National Public Education Calendar Database provides a single, unified national database that holds and displays all public education courses taught by our various flotillas nationwide. In addition, a Zip Code search permits members of the general public to enter a Zip Code of interest, and find all public education courses being taught within a selected distance from that Zip Code. http://www.cgaux.org/boatinged/class_finder/index.php

LNM: 20/14

WESTERN ATLANTIC AND U.S. COASTAL WATERS - NORTH CAROLINA – SUNKEN MILITARY CRAFT ACT (SMCA) –PROHIBITION ON DISTURBING, REMOVING ARTIFACTS OR DAMAGING SUNKEN CRAFT

All mariners are advised of the special protections provided to sunken military craft by the "Sunken Military Craft Act" (SMCA) (Public Law 108-375). Along the U.S. East Coast, and particularly off North Carolina, there are many sunken U.S. and foreign military craft. Sunken military craft may be the final resting places of military personnel who died in service to their country and are also important historical resources. One very notable example is the wreck of the USS MONITOR, off the NC Coast, also protected by the National Marine Sanctuaries Act. Under international and U.S. law, sunken foreign military craft, including those located in U.S. waters, remain the property of their respective country's government. Sovereign immune vessels, such as military crafts, are afforded protections under U.S. and international law. Included among these vessels are at least three known sunken German submarines (commonly called U-boats) located in waters off the North Carolina coast. These U-boats remain the property of the Federal Republic of Germany. In accordance with the SMCA, no person shall engage in or attempt to engage in any activity directed at a sunken military craft that disturbs, removes, or injures the sunken craft or the associated contents of the craft except as authorized by law. This includes, but is not limited to, the equipment, cargo, contents of the vessel, and the remains and personal effects of the crew and passengers. Mariners are urged to exercise due care when operating in the vicinity of military wrecks, as they can be damaged by both purposeful or inadvertent activities including anchoring, fishing, diving, and other marine activities. Special dangers, such as unexploded ordnance, may also be associated with sunken military craft, and should be considered when operating in these areas. Violations of the SMCA may subject individuals to penalties of up to \$100,000 and to liability for damages. Mariners who witness theft of material from, disturbance of, or damage to a sunken military craft are asked to report it to the nearest U.S. Coast Guard unit.

LNM: 45/09

SAFETY NOTICE - NAVIGATIONAL RANGE STRUCTURES ON ELECTRONIC CHARTS

The U.S. Coast Guard has become aware that Coast Guard information used to depict a rangeline on NOAA Electronic Navigational Charts (ENC) may not be of sufficient accuracy to accurately portray the rangeline on the ENC. Mariners are cautioned that the position of a rangeline as shown on an ENC may not reflect its true position.

LNM: 04/11

USCG NAVIGATIONAL INFORMATION SERVICE (NIS)/USCG NAVIGATION CENTER

The United States Coast Guard Navigational Information Service (NIS), operated by the USCG Navigation Center, is staffed 24 hours a day, 7 days a week. The NIS provides information on the current operational status, effective policies, and general information on GPS, DGPS, Navigational Rules, and maritime information. The NIS also disseminates Safety Broadcasts (BNM), Local Notice to Mariners (LNM), and the latest Notice Advisory to Navstar (NANU). These notices can also be obtained via e-mail subscription through the USCG Navigation Center website (<http://www.navcen.uscg.gov/?pageName=gpsSubscribe>). In addition, the NIS investigates all reports of degradation or loss of GPS, DGPS and AIS service. Mariners are encouraged to report all degradation of radio navigation services to the NIS via any of the following: Phone: 703-313-5900, Email: webmaster@navcen.uscg.mil or on the World Wide Web at <http://www.navcen.uscg.gov>.

COAST PILOT 4 - NEW EDITION

PUBLICATION – National Oceanic Atmospheric Administration (NOAA) – U.S. Coast Pilot 4, Atlantic Coast: Cape Henry, VA to Key West, FL, 47th Edition, 2016, has been issued and is ready for free download at: <http://nauticalcharts.noaa.gov/nsd/cpdownload.htm>. Print-on-Demand (POD) bound copies are available for purchase at: <http://www.nauticalcharts.noaa.gov/staff/charts.htm#POD>. The 2016 Edition cancels the preceding 2015 Edition, and incorporates all previous corrections.

BROADCAST NOTICES TO MARINERS

Navigation information having been of immediate concern to the Mariner and promulgated by the following Broadcast Notices to Mariners (BNMs) have been incorporated in this notice when still significant at the date of this publication.

CCGD5 (D5) - 493, 494, 495, 497, 498, 499-16.

Sector Delaware Bay (DB) - 376, 377, 378, 379, 380, 381, 382, 385, 386, 387, 388, 390, 392-16.

Sector Maryland National Capital Region (MD) - 342, 343, 344, 345, 347, 349, 350, 353-16.

Sector Hampton Roads (HR) - 316, 328, 337, 340, 342, 346, 347, 348, 349, 351, 352-16.

Sector North Carolina (NC) - 562, 563, 565, 570, 573, 574, 575, 576, 577, 578-16.

SECTION II - DISCREPANCIES

This section lists all reported and corrected discrepancies related to Aids to Navigation in this edition. A discrepancy is a change in the status of an aid to navigation that differs from what is published or charted.

DISCREPANCIES (FEDERAL AIDS)

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
130	Five Fathom Bank Traffic Lane Lighted Buoy FB	MISSING	12214	376DB	40/16	
155	Cape May Light	REDUCED INT	12316	251DB	26/16	
270	Winter Quarter Shoal Lighted Buoy 6	MISSING	12201	331HR	38/16	
350	Cape Charles Light	LT EXT	12222	384HR	18/13	
570	Navy Air Combat Maneuvering Range Tower Light A	LT EXT	12200	413NC	32/16	
585	Navy Air Combat Maneuvering Range Tower Light G	LT EXT	12200	407NC	27/12	
640	Diamond Shoals Lighted Buoy 12	REDUCED INT	11555	263NC	22/16	
795	New Topsail Inlet Lighted Whistle Buoy NT	SINKING	11541	466NC	31/16	
850	Frying Pan Shoals Lighted Buoy 6FP	LT EXT	11536	548NC	39/16	
925	Barnegat Inlet Lighted Buoy 4	OFF STA	12324	386DB	40/16	
955	Barnegat Inlet Lighted Buoy 11	MISSING	12324	382DB	40/16	
987	Barnegat Inlet Buoy 18A	OFF STA	12324	387DB	40/16	
1110	Little Egg Inlet Lighted Buoy 3	TRUB	12316	369DB	37/16	
1415	Townsend's Inlet Lighted Buoy 6	MISSING	12316	379DB	40/16	
1605	Delaware Bay Main Channel Lighted Buoy 29	LT EXT	12304	388DB	41/16	
2055	Delaware Bay East Icebreaker Light 2	STRUCT DEST/LT EXT	12216	186DB	20/16	
2865	Pea Patch Island Spawm Daybeacon PPD	STRUCT DEST	12311	352DB	37/16	
2915	Pea Patch Island Dike Warning Light B	STRUCT DEST/HAZ NAV	12311	351DB	37/16	
3135	Marcus Hook Range Front Light	REDUCED INT	12312	306DB	32/16	
3245	Chester Range Lighted Buoy 4C	LT EXT	12312	392DB	41/16	
3290	Tinicum Range Rear Light	LT EXT	12313	168DB	19/16	
3820	Enterprise Lower Range Front Light	REDUCED INT	12314	141DB	15/16	
3845	Enterprise Upper Range Rear Light	REDUCED INT	12314	140DB	15/16	
4150	Kinkora Upper Range Rear Light	LT EXT	12314	616DB	47/15	
4375	Indian River Inlet South Jetty Light 3	LT EXT/DAYMK IMCH	12216	390DB	28/16	
4861	Isle Of Wight Bay Buoy 11A	MISSING	12211	314MD	36/16	
5205	Chincoteague Bay Daybeacon 26	STRUCT DEST/TRUB	12211	189MD	13/15	
5215	Chincoteague Bay Daybeacon 23	STRUCT DEST/TRUB	12211	190MD	13/15	
5477	Chincoteague Bay Daybeacon 16A	TRUB/STRUCT DEST	12211	223HR	11/15	
5495	Chincoteague Bay Daybeacon 23	STRUCT DEST/TRUB	12211	190MD	13/15	
5505	Chincoteague Bay Daybeacon 26	STRUCT DEST/TRUB	12211	189MD	13/15	

5755	Virginia Inside Passage Daybeacon 49	STRUCT DEST	12210	306HR	20/15
5767	Virginia Inside Passage Daybeacon 52	DAYMK MISSING	12210	242HR	26/14
5870	Virginia Inside Passage Daybeacon 82	STRUCT DEST/TRUB	12210	285HR	18/15
5885	Virginia Inside Passage Light 87	STRUCT DEST/TRUB	12210	264HR	17/15
5935	Virginia Inside Passage Daybeacon 103	STRUCT DEST/HAZ NAV/TRUB	12210	266HR	17/15
5940	Virginia Inside Passage Daybeacon 105	STRUCT DEST/TRUB	12210	267HR	17/15
5945	Virginia Inside Passage Daybeacon 106	STRUCT DEST/TRUB	12210	261HR	17/15
6005	Virginia Inside Passage Light 124	LT EXT	12210	338HR	39/16
6010	Virginia Inside Passage Daybeacon 125	DAYMK MISSING	12210	250HR	30/16
6080	Virginia Inside Passage Daybeacon 145	DAYMK MISSING	12210	323HR	38/16
6090	Virginia Inside Passage Daybeacon 147	DAYMK MISSING	12210	324HR	38/16
6115	Virginia Inside Passage Daybeacon 153	DAYMK MISSING	12210	056HR	07/15
6120	Virginia Inside Passage Daybeacon 154	DAYMK MISSING	12210	325HR	38/16
6137	Virginia Inside Passage Daybeacon 157B	DAYMK MISSING	12210	057HR	07/15
6145	Virginia Inside Passage Light 160	DAYMK MISSING	12210	058HR	07/15
6160	Virginia Inside Passage Daybeacon 163	STRUCT DEST	12210	226HR	14/15
6170	Virginia Inside Passage Daybeacon 165	DAYMK MISSING	12210	059HR	07/15
6180	Virginia Inside Passage Light 169	STRUCT DMGD	12210	060HR	07/15
6210	Virginia Inside Passage Light 180	STRUCT DMGD	12210	384HR	36/11
6245	Virginia Inside Passage Light 191	DAYMK DMGD	12224	014HR	02/16
6280	Virginia Inside Passage Daybeacon 199	DAYMK MISSING	12224	014HR	02/16
6285	Virginia Inside Passage Daybeacon 199A	STRUCT DEST	12224	014HR	02/16
6320	Virginia Inside Passage Daybeacon 206	DAYMK MISSING	12221	014HR	02/16
6343	Virginia Inside Passage Daybeacon 211	STRUCT DEST	12224	014HR	02/16
6348	Virginia Inside Passage Daybeacon 213	MISSING	12224	014HR	02/16
6355	Virginia Inside Passage Light 215	LT EXT/DAYMK MISSING	12224	014HR	32/13
6375	Virginia Inside Passage Daybeacon 218	DAYMK MISSING	12224	014HR	02/16
6385	Virginia Inside Passage Daybeacon 219	STRUCT DEST	12224	014HR	02/16
6390	Virginia Inside Passage Daybeacon 221	DAYMK MISSING	12224	014HR	02/16
6415	Virginia Inside Passage Daybeacon 225	DAYMK MISSING	12224	014HR	02/16
6440	Virginia Inside Passage Light 232	DAYMK MISSING	12224	200HR	02/16
6485	Virginia Inside Passage Daybeacon 244	TRLB/STRUCT DEST	12224	339HR	44/12
6495	Virginia Inside Passage Daybeacon 245A	MISSING/TRUB	12224	420HR	22/15
6565	Virginia Inside Passage Light 262	DAYMK MISSING	12224	326HR	38/16
6590	Virginia Inside Passage Light 267	DAYMK MISSING	12222	161HR	22/16
6675	Wachapreague Channel Light 9	STRUCT DEST/LT EXT/TRLB	12210	337HR	08/15
6685	Virginia Inside Passage Light 124	LT EXT	12210	338HR	39/16
6690	Virginia Inside Passage Daybeacon 125	DAYMK MISSING	12210	250HR	30/16
6745	Virginia Inside Passage Light 160	DAYMK MISSING	12210	058HR	07/15
6750	Quinby Creek Light 1	DAYMK MISSING	12210	319HR	38/16
6755	Quinby Creek Daybeacon 2	DAYMK MISSING	12210	320HR	38/16
6760	Quinby Creek Light 3	DAYMK MISSING	12210	321HR	38/16
6766	Quinby Creek Buoy 5	MISSING	12210	218HR	23/13
6770	Quinby Creek Daybeacon 7	DAYMK MISSING	12210	322HR	38/16
6776	Quinby Creek Lighted Buoy 9	MISSING	12210	129HR	18/12
6780	Quinby Creek Light 11	MISSING/STRUCT DEST	12210	353HR	35/13
6820	Great Machipongo Inlet Light 5	LT EXT	12224	559HR	49/15
6850	Great Machipongo Inlet Daybeacon 12	DAYMK MISSING	12210	019HR	02/16
6855	Great Machipongo Inlet Daybeacon 13	TRLB/STRUCT DEST	12210	467HR	34/15
6920	Great Machipongo Channel Light 8	STRUCT DEST/TRLB	12210	159HR	22/16
6945	Great Machipongo Channel Daybeacon 15	DAYMK MISSING	12210	018HR	02/16
6991	Sand Shoal Channel Daybeacon 3	STRUCT DEST/TRUB	12224	421HR	29/15
6992	Sand Shoal Channel Light 4	LT EXT/STRUCT DMGD	12224	016HR	02/16
6993	Sand Shoal Channel Daybeacon 5	STRUCT DEST/TRUB	12224	422HR	29/15
6994	Sand Shoal Channel Light 7	REDUCED INT	12210	140HR	21/16

8155	Brewerton Channel Range Rear Light	LT EXT	12281	303MD	35/16
9375	Norfolk Entrance Reach Range Rear Light	LT EXT	12245	360HR	41/16
9697	Craney Island Creek Lighted Junction Buoy CA	MISSING	12245	359HR	41/16
9730	U.S. Navy Deperming Range Light	LT EXT	12253	355HR	41/16
9732	U.S. Navy Deperming Range Z-LOOP Platform Light South	LT EXT	12253	356HR	41/16
10070	Elizabeth River Southern Branch Buoy 26	OFF STA	12253	361HR	41/16
10136	Lynnhaven Inlet Lighted Buoy 3	OFF STA	12254	357HR	41/16
10138	Lynnhaven Inlet Lighted Buoy 4	OFF STA	12254	358HR	41/16
12640	James River Channel Light 133	LT EXT	12252	143HR	21/16
12830	Horseshoe West Channel Daybeacon 2	DAYMK MISSING	12222	348HR	40/16
15610	Hoskins Creek Range Rear Light	LT EXT	12237	269HR	31/16
17260	Wicomico River Warning Daybeacon	DAYMK MISSING	12286	323MD	24/15
17800	Port Tobacco River Daybeacon 12	STRUCT DEST/TRUB	12288	262MD	30/16
19335	Rose Haven Channel Light 1	LT EXT	12266	350MD	41/16
19404	Rockhold Creek Channel Buoy 7	OFF STA	12266	327MD	38/16
19535	Cadle Creek Daybeacon 2	DAYMK IMCH	12270	NONEMD	37/16
19915	Spa Creek Daybeacon 3	STRUCT DEST	12283	353MD	41/16
20515	North Point Creek Light 2	LT EXT/TRLB	12278	255MD	29/16
21413	North Channel Buoy 18	DAYMK IMCH	12224	317HR	38/16
21475	Cape Charles City Approach Light C	DAYMK DMGD	12224	101HR	16/16
21495	Cape Charles City Jetty Light	DAYMK DMGD	12224	327HR	38/16
21665	Nassawadox Creek Warning Daybeacon H	STRUCT DEST/HAZ NAV/TRUB	12226	074HR	12/16
21730	Occohannock Creek Daybeacon 10A	DAYMK DMGD	12226	336HR	39/16
21790	Nandua Creek Channel Warning Daybeacon F	DAYMK MISSING	12226	203HR	12/15
27040	Harts Island Channel Daybeacon 10	DAYMK IMCH	12278	315MD	36/16
27340	Bush River Wreck Light WR7	LT EXT	12274	313MD	36/16
28003	Oregon Inlet Lighted Buoy 6	LT EXT	12204	497NC	36/16
28447	Wanchese Channel Buoy 2A	OFF STA	12204	574NC	41/16
28480	Roanoke Sound Channel Daybeacon 21	STRUCT DEST/TRUB	12204	529NC	38/16
28640	Hatteras Inlet Lighted Buoy 1	MISSING	11555	530NC	36/16
29300	Harkers Island East Channel Light 10	TRLB/STRUCT DEST	11545	222NC	16/13
29430	Morehead City Channel Range Front Light	LT EXT	11547	037NC	05/16
29435	Morehead City Channel Range Rear Light	STRUCT DEST	11547	389NC	27/14
29516	Bogue Inlet Buoy 5A	OFF STA	11541	474NC	36/16
29970	New Topsail Inlet Lighted Whistle Buoy NT	SINKING	11541	466NC	31/16
30020	New Topsail Inlet Buoy 7	MISSING	11541	405NC	31/16
30025	New Topsail Inlet Buoy 8	OFF STA	11541	406NC	31/16
31047	Lockwoods Folly Inlet Buoy 12	OFF STA	11534	429NC	34/16
31170	Whale Head Bay Light 1	STRUCT DEST/TRLB	12204	553NC	18/15
31260	Knotts Island Ferry Terminal Light 4	LT EXT	12205	570NC	40/16
31370	Powells Point Daybeacon 4PP	DAYMK MISSING/STRUCT DMGD	12204	499NC	37/16
32325	Durant Point Daybeacon 4	DAYMK MISSING	11555	513NC	37/16
32330	Durant Point Daybeacon 6	DAYMK MISSING	11555	514NC	37/16
32360	Bluff Shoal Light BI	REDUCED INT	11548	551NC	39/16
32530	Brant Island Warning Light G	STRUCT DEST	11548	NONENC	41/16
32545	Brant Island Warning Light J	DAYMK MISSING	11548	NONENC	41/16
32555	Brant Island Warning Daybeacon L	DAYMK MISSING	11548	NONENC	41/16
32560	Brant Island Warning Light M	STRUCT DEST	11548	NONENC	41/16
32600	Brant Island Warning Daybeacon U	DAYMK MISSING	11548	NONENC	41/16

32615	Brant Island Warning Daybeacon X	DAYMK MISSING	11548	NONENC	41/16
32625	Brant Island Warning Daybeacon Z	DAYMK MISSING	11553	NONENC	41/16
32850	Abel Bay Light 1	DAYMK MISSING	11553	NONENC	41/16
32900	Pungo River Light 4	DAYMK MISSING	11553	NONENC	41/16
32925	Pungo Creek Light 3	DAYMK MISSING	11553	NONENC	41/16
33000	Pungo River Channel Light 13	DAYMK MISSING	11553	NONENC	41/16
33060	Pungo River Channel Daybeacon 27PR	DAYMK MISSING	11553	NONENC	41/16
33585	Neuse River Entrance Light 2	DAYMK DMGD	11541	NONENC	41/16
33595	Neuse River Channel Light 4	DAYMK MISSING	11541	NONENC	41/16
33598	Neuse River Warning Daybeacon	DAYMK MISSING	11541	NONENC	41/16
33625	Neuse River Channel Light 6	DAYMK MISSING	11541	NONENC	41/16
34315	Trent River Daybeacon 20	TRLB/STRUCT DEST	11552	523NC	39/15
34410	Cedar Island Bay Channel Lighted Wreck Buoy WR5	MISSING	11550	550NC	39/16
34520	Core Sound Light 24	DAYMK MISSING	11545	369NC	29/16
34595	Oyster Creek Daybeacon 3	STRUCT DEST/TRLB	11550	409NC	31/16
35310	New Jersey Intracoastal Waterway Daybeacon 80	STRUCT DMGD/TRLB	12324	080DB	04/16
35400	New Jersey Intracoastal Waterway Daybeacon 102	STRUCT DEST/TRLB	12316	034DB	18/15
36025	New Jersey Intracoastal Waterway Daybeacon 268	DAYMK MISSING	12316	NONEDB	40/16
36745	Cape May Harbor Light 8	STRUCT DEST/DAYMK MISSING	12317	303DB	31/16
36920	Elizabeth River Southern Branch Buoy 26	OFF STA	12253	361HR	41/16
37795	Great Bridge to Albemarle Sound Daybeacon 166	STRUCT DEST/TRUB	12206	498NC	36/16
37905	Alligator River Daybeacon 30	STRUCT DEST/TRUB	11553	093NC	09/16
37920	Alligator River Daybeacon 35	DAYMK MISSING	11553	562NC	40/16
38030	Pungo River Channel Daybeacon 27PR	DAYMK MISSING	11553	NONENC	41/16
38090	Pungo River Channel Light 13	DAYMK MISSING	11553	NONENC	41/16
38125	Pungo River Light 4	DAYMK MISSING	11553	NONENC	41/16
38185	Goose Creek Light 11	DAYMK DMGD	11553	NONENC	41/16
38265	Neuse River Entrance Light 2	DAYMK DMGD	11541	NONENC	41/16
38275	Neuse River Channel Light 4	DAYMK MISSING	11541	NONENC	41/16
38280	Neuse River Channel Light 6	DAYMK MISSING	11541	NONENC	41/16
38440	Russell Slough Junction Light RS	STRUCT DEST/TRLB	11541	385NC	12/16
38467	Russell Slough Daybeacon 6A	STRUCT DEST/TRLB	11541	517NC	37/16
38665	Money Island Channel Daybeacon 4	DAYMK MISSING	11547	NONENC	40/16
39060	Bogue Sound Daybeacon 45B	STRUCT DEST/TRUB	11541	565NC	40/16
39223	Bogue Sound - New River Buoy 61A	OFF STA	11541	541NC	38/16
39365	New River - Cape Fear River Light 23	STRUCT DEST/TRLB	11541	542NC	38/16
39507	New River - Cape Fear River Light 89	DAYMK MISSING	11541	208NC	19/16
39525	New River - Cape Fear River Light 93	DAYMK MISSING	11541	446NC	35/16
39575	New River - Cape Fear River Daybeacon 108	DAYMK MISSING	11541	445NC	35/16
39585	New River - Cape Fear River Daybeacon 114	DAYMK MISSING	11541	533NC	38/16
39680	New River - Cape Fear River Daybeacon 143	STRUCT DMGD/TRUB	11534	401NC	31/16
39875	New River - Cape Fear River Daybeacon 176	STRUCT DEST/TRUB	11534	416NC	32/16
40205	Cape Fear River - Little River Daybeacon 41	STRUCT DEST/TRUB	11534	573NC	40/16
40340	Cape Fear River - Little River Buoy 81	OFF STA	11534	563NC	40/16
40440	Cape Fear River - Little River Daybeacon 113	STRUCT DEST/TRUB	11534	375NC	29/16

DISCREPANCIES (FEDERAL AIDS) CORRECTED

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
2115	Rehoboth Bay Channel Lighted Buoy 9	RESET ON STATION	12216	334DB	34/16	41/16
3080	Bellevue Range Front Light	RELIGHTED	12311	389DB	41/16	41/16
7130	Chesapeake Channel Junction Lighted Buoy CY	RELIGHTED	12222	347HR	40/16	41/16
7995	Craighill Channel Entrance Range Front Light	RELIGHTED	12282	351MD	41/16	41/16
8000	Craighill Channel Entrance Range Rear Light	WATCHING PROPERLY	12278	352MD	41/16	41/16
8940	Elk River Channel South Range Rear Light	RELIGHTED	12274	345MD	40/16	41/16
23955	Wicomico River Channel Light 55	RELIGHTED	12261	221MD	24/16	41/16
34137	Neuse River Channel Buoy 50E	RESET ON STATION	11552	507NC	37/16	41/16
34151	Neuse River Channel Buoy 51C	WATCHING PROPERLY	11552	508NC	37/16	41/16
37195	Great Bridge to Albemarle Sound Light 11	RELIGHTED	12206	353HR	41/16	41/16

DISCREPANCIES (PRIVATE AIDS)

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
9	Ocean Power Lighted Data Buoy A	MISSING	12323	585DB	49/13	
793.1	NC Artificial Fishing Reef Buoy AR360	OFF STA	11539	509NC	37/16	
793.6	NC Artificial Fishing Reef Buoy AR366	MISSING	11539	282NC	19/14	
819	NC Artificial Fishing Reef Buoy AR425	MISSING	11520	079NC	04/14	
1155	Marshelder Channel Buoy 3	MISSING	12316	250DB	26/16	
1690	Bidwell Creek Entrance Light 2	LT EXT	12304	NONEAC	37/06	
1960	Fortescue Creek Entrance Buoy 4	OFF STA	12304	NONEDB	17/13	
2035	Lewes Breakwater Front Light	LT EXT	12216	282DB	27/13	
2137	Bakers Channel Lighted Buoy 1B	BUOY DMGD/LT EXT	12216	592DB	44/15	
4346	Upper Delaware River Pipeline Outfall Buoy	MISSING	12314	129DB	18/12	
4875	Thorofare Channel Buoy 3	SINKING	12211	029DB	05/16	
4895	Thorofare Channel Buoy 8	BUOY DMGD	12211	285MD	32/16	
4900	Thorofare Channel Buoy 10	OFF STA	12211	121MD	09/15	
4925	Ocean Pines Yacht Club Light 2	LT EXT	12211	398MD	29/15	
4991.07	Little Assawoman Bay Daybeacon 6	STRUCT DEST	12211	341DB	35/16	
4991.08	Little Assawoman Bay Daybeacon 7	STRUCT DEST	12211	342DB	35/16	
4991.16	Little Assawoman Bay Daybeacon 15	DAYMK MISSING	12211	491HR	38/15	
4991.22	Little Assawoman Bay Daybeacon 21	STRUCT DMGD	12214	490HR	38/15	
5165	Chincoteague Bay State Boundary Line Buoy B	OFF STA/DAYMK IMCH	12211	024HR	04/14	
5175	Chincoteague Bay State Boundary Line Buoy D	DAYMK IMCH	12211	429HR	46/12	
5180	Chincoteague Bay State Boundary Line Buoy E	DAYMK IMCH	12211	430HR	46/12	
5185	Chincoteague Bay State Boundary Line Buoy F	MISSING	12211	431HR	46/12	
5190	Chincoteague Bay State Boundary Line Buoy G	DAYMK IMCH	12211	432HR	46/12	
5265	George Island Channel Daybeacon 8	DAYMK IMCH	12211	346HR	38/12	
5453	Coards Marsh Sanctuary Daybeacon A	STRUCT DEST	12211	433HR	46/12	
5453.1	Coards Marsh Sanctuary Daybeacon B	STRUCT DEST	12211	434HR	46/12	
5453.2	Coards Marsh Sanctuary Daybeacon C	STRUCT DEST	12211	435HR	46/12	
5457	Greenbackville Sanctuary Daybeacon A	STRUCT DEST	12211	476HR	43/11	
5457.1	Greenbackville Sanctuary Daybeacon B	DAYMK MISSING	12211	477HR	43/11	
7669	UMCES Lighted Data Buoy JI	MISSING	12264	439MD	36/14	
7837	UMCES Lighted Data Buoy CBB	OFF STA	12282	176MD	16/16	
7860	Bay Bridge Marina Light 5	LT EXT	12270	350MD	44/12	

9853	Elizabeth River Town Point Reach No Wake Buoy A	OFF STA	12253	328HR	35/14
10125	Lynnhaven Roads Fishing Pier Lights (2)	MISSING	12254	319HR	31/13
10186	Lynnhaven River Daybeacon 1LR	STRUCT DEST	12254	080HR	08/15
10334	Lynnhaven River Eastern Branch Daybeacon 27	DAYMK MISSING	12222	162HR	23/16
10762.03	Lafayette River Northern Branch Daybeacon 3	DAYMK MISSING	12245	251HR	26/14
10762.1	Lafayette River Northern Branch Daybeacon 12	DAYMK MISSING	12245	252HR	26/14
10962	Hampton River Channel Buoy 22	DAYMK DMGD	12245	NONEHR	16/16
12127	Glasshouse Point Lower Ferry Light	LT EXT	12251	367HR	24/15
12692	James River Lighted Data Buoy A	OFF STA	12252	NONEHR	07/16
12692.1	James River Lighted Data Buoy B	OFF STA	12252	NONEHR	07/16
12870	Salt Ponds Light 6	STRUCT DMGD	12222	310HR	37/16
12873	Salt Ponds Daybeacon 6A	STRUCT DMGD	12222	294HR	36/16
12895	Salt Ponds Daybeacon 12	DAYMK DMGD	12222	NONED5	17/16
12950	Back River South Channel Daybeacon 2	STRUCT DEST	12238	332HR	24/13
12958	Back River South Channel Daybeacon 8	DAYMK MISSING	12238	193HR	12/15
13050	Harris River Approach Daybeacon 3	DAYMK MISSING	12238	036HR	06/12
13050	Harris River Approach Daybeacon 3	DAYMK MISSING	12238	168HR	20/14
13065	Harris River Approach Daybeacon 6	OFF STA	12238	169HR	20/14
13065	Harris River Approach Daybeacon 6	OFF STA/DAYMK DMGD	12238	037HR	06/12
14940	Windmill Point Marina Light 3	LT EXT	12235	348HR	23/12
15005	Broad Creek Northern Branch Daybeacon 1N	DAYMK DMGD	12235	234HR	24/13
15050	Broad Creek Northern Branch Daybeacon 12	DAYMK MISSING	12235	431HR	49/14
16275	Buzzards Point Daybeacon 3	DAYMK DMGD	12235	390HR	26/15
16555	Lake Conoy Warning Daybeacon A	MISSING	12233	251MD	19/10
16612	Coan River Marina Buoy 1	MISSING	12233	121MD	10/15
16613	Coan River Marina Buoy 2	MISSING	12233	121MD	10/15
16614	Coan River Marina Buoy 3	MISSING	12233	121MD	10/15
16853	Potomac River Sandy Point Lighted Data Buoy A	MISSING	12233	282MD	20/14
16962	Cabin Point Creek Daybeacon 1	STRUCT DEST/HAZ NAV	12285	225MD	25/16
16963	Cabin Point Creek Daybeacon 2	STRUCT DEST/HAZ NAV	12285	225MD	25/16
16971	Glebe Creek Daybeacon 1	STRUCT DEST/HAZ NAV	12285	224MD	25/16
16971.5	Glebe Creek Daybeacon 2	STRUCT DEST/HAZ NAV	12285	224MD	25/16
16972.5	Glebe Creek Daybeacon 4	STRUCT DEST/HAZ NAV	12285	224MD	25/16
17712	Potomac River Morgantown Lighted Mooring Buoy A	BUOY DMGD/LT EXT	12287	199MD	21/16
17845	Nanjemoy Creek Buoy 5	OFF STA	12288	497BA	45/15
18014	Aquia Creek Daybeacon 31	DAYMK IMCH	12288	422MD	34/14
18014.1	Aquia Creek Daybeacon 32	DAYMK DMGD	12288	NONEMD	34/14
18014.2	Aquia Creek Daybeacon 33	DAYMK IMCH	12288	423MD	34/14
18014.3	Aquia Creek Daybeacon 34	DAYMK DMGD	12288	424MD	34/14
18075	Possum Point Pier Light	LT EXT	12288	448MD	37/15
18170	Leesylvania Park Light 2	LT EXT	12288	449MD	37/15
18601.01	National Harbor Channel Light 3	DAYMK MISSING	12289	144MD	12/16
18793.1	Tanner Creek Warning Daybeacon A	DAYMK MISSING	12233	179MD	23/13
18793.2	Tanner Creek Daybeacon 1	DAYMK MISSING	12233	178MD	23/13
18980	Mill Creek (Patuxent River) Buoy 11	OFF STA	12284	040MD	05/16
19152	Academy Of Natural Science Intake Light B	STRUCT DEST/HAZ NAV	12264	121MD	08/15
19512	West River Buoy 7	OFF STA	12270	271MD	32/16
19612	South River Warning Buoy A	MISSING	12270	039MD	06/13
19613	South River Warning Buoy B	MISSING	12270	040MD	06/13
20063	Severn River - Mill Creek Buoy 11	SINKING	12283	238BA	16/15

20210	Forked Creek Daybeacon 2	DAYMK MISSING	12282	240MD	18/14
21175	Fairfield Channel Buoy 2	MISSING	12281	036MD	08/12
21180	Fairfield Channel Buoy 4	MISSING	12281	037MD	08/12
21180	Fairfield Channel Buoy 4	OFF STA	12281	286MD	37/12
21185	Fairfield Channel Buoy 6	MISSING	12281	233MD	17/07
21362	North Locust Point Marine Terminal Pier 7 Warning Buoy A	MISSING	12281	569MD	01/15
22095	Onancock Creek -South Branch Buoy 1	OFF STA	12228	292MD	30/08
22430	Pocomoke Sound State Boundary Line Daybeacon H	STRUCT DEST/TRUB	12228	165MD	13/15
22440	Pocomoke Sound State Boundary Line Daybeacon K	STRUCT DEST/TRUB	12228	NONEMD	31/15
22985	Ward Creek Warning Daybeacon A	MISSING	12231	503MD	31/05
23315	Jones Creek Daybeacon 4	DAYMK MISSING	12231	402MD	44/08
23340	Jones Creek Daybeacon 12	DAYMK DMGD	12231	620MD	45/11
23670	Dorchester/Somerset County Line Marker DD	STRUCT DEST/TRUB	12231	166MD	13/15
23715	Dames Quarter Creek Channel Daybeacon 4	OFF STA/TRUB	12261	242MD	24/07
23720	Dames Quarter Creek Channel Daybeacon 5	STRUCT DEST/TRUB	12261	260MD	30/16
25010	Cambridge Municipal Yacht Basin Light 1	MISSING	12266	316MD	40/12
25015	Cambridge Municipal Yacht Basin Light 2	MISSING	12266	317MD	40/12
25020	Cambridge Channel Range Front Light	LT EXT	12268	420MD	46/08
25025	Cambridge Channel Range Rear Light	LT EXT/DAYMK DMGD	12268	418MD	46/08
25330	Pier Street Marina Daybeacon 1	STRUCT DEST/HAZ NAV	12266	157MD	20/13
25335	Pier Street Marina Daybeacon 2	STRUCT DEST/HAZ NAV	12266	168MD	21/13
25760	Upper Edge Creek Daybeacon 5	STRUCT DEST/HAZ NAV	12266	011MD	02/15
26030	Claiborne Channel Warning Daybeacon	STRUCT DEST	12270	NONEMD	08/16
26036	Claiborne Channel Buoy 5	MISSING	12266	NONEMD	08/16
26038	Claiborne Channel Buoy 6	MISSING	12270	093MD	08/16
26039	Claiborne Channel Warning Buoy A	MISSING	12270	094MD	08/16
26040	Claiborne Channel Warning Buoy B	MISSING	12270	NONEMD	08/16
26210	Oak Creek Buoy 3	MISSING	12270	092MD	08/16
26225	Oak Creek Warning Buoy	STRUCT DEST	12270	265MD	35/12
26275	Cox Creek Daybeacon 5	MISSING	12270	184MD	24/13
26343	Greenwood Creek Buoy 1G	OFF STA	12270	NONEMD	12/15
26343.1	Greenwood Creek Buoy 2	OFF STA	12270	281MD	12/15
26343.2	Greenwood Creek Buoy 3	OFF STA	12270	NONEMD	12/15
26343.3	Greenwood Creek Buoy 4	OFF STA	12270	NONEMD	12/15
26343.4	Greenwood Creek Buoy 5	OFF STA	12270	NONEMD	12/15
26343.5	Greenwood Creek Buoy 6	OFF STA	12270	NONEMD	12/15
26343.6	Greenwood Creek Buoy 8	OFF STA	12270	NONEMD	12/15
26343.7	Greenwood Creek Buoy 10	OFF STA	12270	NONEMD	12/15
26343.8	Greenwood Creek Buoy 12	OFF STA	12270	NONEMD	12/15
26343.9	Greenwood Creek Buoy 13	OFF STA	12270	NONEMD	12/15
26990	Shallow Creek Daybeacon 9	DAYMK MISSING	12278	NONEMD	20/11
27230	Upper Gunpowder River Buoy 2	MISSING	12274	280MD	19/15
27240	Upper Gunpowder River Buoy 4	MISSING	12274	279MD	19/15
27245	Upper Gunpowder River Daybeacon 5	STRUCT DEST	12274	278MD	19/14
27250	Upper Gunpowder River Buoy 6	MISSING	12274	277MD	19/15
27255	Upper Gunpowder River Buoy 7	MISSING	12274	276MD	19/15
27265	Upper Gunpowder River Buoy 9	OFF STA	12274	275MD	19/15
27270	Upper Gunpowder River Buoy 10	OFF STA	12274	274MD	19/15
27280	Upper Gunpowder River Daybeacon 12	OFF STA	12274	273MD	19/15
27415	Fairlee Creek Buoy 8	OFF STA/BUOY DMGD	12278	361MD	28/14
27920	Upper Elk River Buoy 8	OFF STA	12274	127MD	16/13
27925	Upper Elk River Buoy 9	OFF STA	12274	128MD	16/13

30905	Wilmington Marine Center Daybeacon 6	DAYMK DMGD	11537	NONENC	05/16
30910	Wilmington Marine Center Daybeacon 7	DAYMK DMGD	11537	NONENC	05/16
31060	Shallotte Inlet Buoy 2	MISSING	11534	005NC	01/14
31087	Shallotte Inlet Buoy 9	MISSING	11534	317NC	23/13
32725.16	Swanquarter PPA Warning Daybeacon R	STRUCT DEST	11548	424NC	33/16
32725.23	Swanquarter PPA Warning Daybeacon X	STRUCT DEST	11548	089NC	09/16
32725.24	Swanquarter PPA Warning Daybeacon Y	STRUCT DEST	11548	NONENC	09/16
33427.5	Swan Point Warning Daybeacon B	DAYMK MISSING	11552	177NC	12/15
33428	Swan Point Warning Light C	DAYMK MISSING	11552	178NC	12/15
33428.5	Swan Point Warning Daybeacon D	DAYMK MISSING	11552	179NC	12/15
33597	Neuse River UNC Lighted Data Buoy A	MISSING	11544	447NC	35/16
35230	Manahawkin Bay Lower Warning Light	LT EXT	12324	371DB	32/13
35780	Absecon Waterway Upper Pier Light	LT IMCH	12316	521DB	38/14
35785	Absecon Waterway Lower Pier Light	LT IMCH	12316	522DB	38/14
36777.3	Cape May Village Daybaecon 4	STRUCT DEST	12316	556DB	41/15
	Asquith Creek Daybeacon 6	DAYMK IMCH	12282	520MD	45/14
	Back Creek-Severn River Buoy 8	MISSING	12283	310BA	36/16
	Back River Buoy 6	BUOY DMGD		263MD	33/13
	Beach Cove South Channel Daybeacon 8	MISSING	12216	NONEAC	10/06
	Cherrystone Artifical Reef Buoys	MISSING	12221	NONED5	24/05
	Cox Creek Channel Buoy 6 (Patapsco)	ADRIFT	12278	296MD	36/13
	Cox Creek Channel Buoy 7 (Patapsco)	ADRIFT	12278	297MD	36/13
	East Cod Creek Daybeacon 4	DAYMK MISSING	12233	120MD	21/12
	East Cod Creek Daybeacon 6	DAYMK DMGD	12285	318MD	26/09
	Fox Hill Channel Daybeacon 4	DAYMK DMGD	12238	173HR	23/12
	Fox Hill Channel Daybeacon 6	STRUCT DEST	12238	174HR	23/12
	Grassy Sound North Pier Light	MISSING	12316	0068AC	41/12
	Grassy Sound South Pier Light	MISSING	12316	0069AC	41/12
	Harris River Approach Daybeacon 10	DAYMK DMGD	12238	NONEHR	05/12
	Hunting Creek Miles River Buoy 2	BUOY DMGD	12270	228MD	25/16
	Indian River Bay Shellfish Excl. Buoy	MISSING	12216	NONEAC	08/12
	Irish Creek Buoy 3	MISSING	12266	208MD	23/16
	John's Creek Buoy 3	LT IMCH	12270	318HR	37/16
	Little Cove Point Warning Light C	STRUCT DEST	12264	286MD	36/13
	Old House Cove Warning Daybeacon A	MISSING	12231	0498MD	31/05
	Old House Cove Warning Daybeacon B	MISSING	12231	0499MD	31/05
	Old House Cove Warning Daybeacon C	MISSING	12231	0500MD	31/05
	Parramore Artifical Reef Buoy	MISSING	12210	0071ES	21/05
	Playtors Creek Dbn 3	STRUCT DEST	12266	186MD	18/16
	Shark Riv Is Ch By 1	MISSING		215DB	22/16
	Shark River Light 5	LT EXT		395DB	28/15
	Spriggs Pond Buoy 1	OFF STA		268MD	31/16
	St. Michaels Harbor Buoy 11	MISSING	12270	295MD	34/16
	St. Michaels Harbor Buoy 6	SINKING	12270	177MD	16/16
	Upper Seneca Creek Channel Buoy 2	OFF STA	12278	289MD	34/16
	Upper Tangier Sound County Range Marker F	STRUCT DEST	12231	155MD	14/16
	VIMS Clay Bank Lighted Data Buoy A	MISSING	12243	NONEHR	14/14
	VIMS Clay Bank Lighted Data Buoy B	MISSING	12243	NONEHR	14/14
	VIMS Clay Bank Lighted Data Buoy C	MISSING	12241	NONEHR	14/14
	Vims Water Qual Monitor Device (3)	MISSING		NONEHR	14/14
	Wachapreague Artifical Reef Buoys	MISSING	12210	0072ES	21/05
	Warehouse Creek Buoy 1 (South River)	MISSING	12270	244MD	28/16

DISCREPANCIES (PRIVATE AIDS) CORRECTED

None	LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
------	------	----------	--------	-----------	----------	--------	---------

PLATFORM DISCREPANCIES

Name	Status	Position	BNM Ref.	LNM St	LNM End
------	--------	----------	----------	--------	---------

None

PLATFORM DISCREPANCIES CORRECTED

Name	Status	Position	BNM Ref.	LNM St	LNM End
------	--------	----------	----------	--------	---------

None

SECTION III - TEMPORARY CHANGES and TEMPORARY CHANGES CORRECTED

This section contains temporary changes and corrections to Aids to Navigation for this edition. When charted aids are temporarily relocated for dredging, testing, evaluation, or marking an obstruction, a temporary correction shall be listed in Section IV giving the new position.

TEMPORARY CHANGES

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
1091	Oyster Creek Channel Buoy 38A	RELOCATED FOR DREDGING	12324	452D5	38/16	
1094	Oyster Creek Channel Buoy 39A	DISCONTINUED	12324	446D5	37/16	
1110	Little Egg Inlet Lighted Buoy 3	RELOCATED	12316	477D5	39/16	
2050	Harbor Of Refuge North End Light 1	TRLB	12216	372D5	33/16	
5850	Virginia Inside Passage Light 80	TRDBN	12210	457D5	38/16	
5925	Virginia Inside Passage Daybeacon 101	TRDBN	12210	474D5	39/16	
5950	Virginia Inside Passage Daybeacon 107	TRDBN	12210	457D5	38/16	
6348	Virginia Inside Passage Daybeacon 213	TRUB	12224	NONED5	02/14	
7450	USN Aerial Gunnery Area Warning Daybeacon A	TRLB	12228	500BA	16/16	
8150	Brewerton Channel Range Front Light	RELOCATED	12281	181D5	14/15	
11897	James River Channel Lighted Buoy 27A	DISCONTINUED FOR DREDGING	12248	541D5	44/15	
11904	James River Channel Lighted Buoy 29A	DISCONTINUED FOR DREDGING	12248	541D5	44/15	
21215	Ferry Bar Channel Lighted Buoy 3	RELOCATED FOR DREDGING	12281	405D5	34/16	
21510	Mud Creek Channel Daybeacon 1	DISCONTINUED FOR DREDGING	12224	271HR	17/15	
21515	Mud Creek Channel Daybeacon 2	TRUB	12224	221D5	18/15	
23510	Lower Thorofare Channel Light 6	TRDBN	12231	096D5	11/16	
28030	Oregon Inlet Buoy 14A	DISCONTINUED FOR DREDGING	12204	534D5	43/15	
28035	Oregon Inlet Buoy 15	DISCONTINUED FOR DREDGING	12204	012D5	03/16	
28170	Oregon Inlet Channel Daybeacon 46	Other	12204	494D5	40/16	
28234	Old House Channel Lighted Buoy 2H	DISCONTINUED	12206	410D5	34/15	
28669	Hatteras Inlet Buoy 9	DISCONTINUED	11555	269D5	21/15	
28670	Hatteras Inlet Buoy 9A	DISCONTINUED	11555	269D5	21/15	
28699.1	South Ferry Terminal Lighted Buoy 1SF	DISCONTINUED	11555	460D5	38/16	
28703	South Ferry Terminal Lighted Buoy 4SF	DISCONTINUED	11555	460D5	38/16	
28705	South Ferry Terminal Lighted Buoy 5SF	DISCONTINUED	11555	460D5	38/16	
28707	South Ferry Terminal Lighted Buoy 6SF	DISCONTINUED	11555	460D5	38/16	
28717	South Ferry Terminal Lighted Buoy 8SF	DISCONTINUED	11555	437D5	15/16	
28719	South Ferry Terminal Lighted Buoy 10SF	DISCONTINUED	11555	437D5	15/16	

28724	Hatteras Inlet Lighted Buoy 9B	DISCONTINUED	11555	269D5	21/15
28726	Hatteras Inlet Lighted Buoy 10	DISCONTINUED	11555	269D5	21/15
28726.1	Hatteras Inlet Buoy 10A	DISCONTINUED	11555	269D5	21/15
28726.2	Hatteras Inlet Lighted Buoy 10B	DISCONTINUED	11555	269D5	21/15
28729	Hatteras Inlet Lighted Buoy 11	DISCONTINUED	11555	269D5	21/15
28730.1	Hatteras Inlet Channel Lighted Buoy 11A	DISCONTINUED	11555	297D5	27/14
28730.15	Hatteras Inlet Channel Buoy 11AA	DISCONTINUED	11555	269D5	21/15
28730.2	Hatteras Inlet Channel Lighted Buoy 11B	DISCONTINUED	11555	269D5	21/15
28733	Hatteras Inlet Channel Lighted Buoy 12AA	DISCONTINUED	11555	269D5	21/15
28733.1	Hatteras Inlet Channel Buoy 12B	DISCONTINUED	11555	269D5	21/15
28733.2	Hatteras Inlet Channel Buoy 12C	DISCONTINUED	11555	269D5	21/15
28735.2	Hatteras Inlet Channel Lighted Buoy 13	DISCONTINUED	11555	NONED5	23/15
28955	Teaches Hole Channel Lighted Buoy 20	DISCONTINUED	11550	173D5	14/15
29060	Big Foot Slough Channel Daybeacon 9B	RELOCATED	11550	466D5	40/16
29070	Big Foot Slough Channel Daybeacon 10A	RELOCATED	11550	466D5	40/16
29070.1	Big Foot Slough Channel Buoy 10B	DISCONTINUED FOR DREDGING	11550	456D5	38/16
29655	New River Inlet Buoy 1	DISCONTINUED	11541	067D5	06/15
29660	New River Inlet Buoy 2	DISCONTINUED	11541	067D5	06/15
29665	New River Inlet Buoy 3	DISCONTINUED	11541	491D5	43/14
29670	New River Inlet Buoy 4	DISCONTINUED	11541	491D5	43/14
29680	New River Inlet Buoy 6	DISCONTINUED	11541	491D5	43/14
29700	New River Inlet Buoy 8	DISCONTINUED	11541	491D5	43/14
29720	New River Inlet Buoy 10	DISCONTINUED	11541	NONED5	43/14
29721	New River Inlet Buoy 10A	DISCONTINUED	11541	491D5	43/14
29723	New River Inlet Buoy 10B	DISCONTINUED	11541	491D5	43/14
29725	New River Inlet Buoy 11	DISCONTINUED	11541	491D5	43/14
29726	New River Inlet Buoy 11A	DISCONTINUED	11541	491D5	43/14
30355	Cape Fear River Entrance Channel Lighted Buoy 9	RELOCATED FOR DREDGING	11534	022D5	03/15
30360	Cape Fear River Entrance Channel Lighted Buoy 10	RELOCATED FOR DREDGING	11534	022D5	03/15
30370	Cape Fear River Entrance Channel Lighted Buoy 11	RELOCATED FOR DREDGING	11534	022D5	03/15
30373	Cape Fear River Entrance Channel Lighted Buoy 13	RELOCATED FOR DREDGING	11534	022D5	03/15
	Harbor Of Refuge North End Lighted Buoy 1	ESTABLISHED	12216	372D5	34/16
	South Ferry Terminal Light 7	TRLB	11555	473D5	39/16

TEMPORARY CHANGES CORRECTED

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
------	----------	--------	-----------	----------	--------	---------

None

PLATFORM TEMPORARY CHANGES

Name	Status	Position	BNM Ref.	LNM St	LNM End
------	--------	----------	----------	--------	---------

None

PLATFORM TEMPORARY CHANGES CORRECTED

Name	Status	Position	BNM Ref.	LNM St	LNM End
None					

SECTION IV - CHART CORRECTIONS

This section contains corrections to federally and privately maintained Aids to Navigation, as well as NOS corrections.
 This section contains corrective actions affecting chart(s). Corrections appear numerically by chart number, and pertain to that chart only.
 It is up to the mariner to decide which chart(s) are to be corrected. The following example explains individual elements of a typical chart correction.

Chart Number	Chart Edition	Edition Date	Last Local Notice to Mariners	Horizontal Datum Reference	Source of Correction	Current Local Notice to Mariners
12327	91st Ed.	19-APR-97	Last LNM: 26/97	NAD 83		27/97
Chart Title: NY-NJ-NEW YORK HARBOR - RARITAN RIVER						
Main Panel 2245 NEW YORK HARBOR					CGD01	
(Temp)	ADD	NATIONAL DOCK CHANNEL BUOY 3			at 40-41-09.001N	074-02-48.001W
		Green can				
	Corrective Action	Object of Corrective Action			Position	

(Temp) indicates that the chart correction action is temporary in nature. Courses and bearings are given in degrees clockwise from 000 true.
 Bearings of light sectors are toward the light from seaward. The nominal range of lights is expressed in nautical miles (NM) unless otherwise noted.

11541	41st Ed.	01-NOV-15	Last LNM: 39/16	NAD 83		41/16
<i>ChartTitle: Intracoastal Waterway Neuse River to Myrtle Grove Sound</i>						
CHART NC-AIWW - NEUSE RIVER TO MYRTLE GROVE SOUND. Page/Side: N/A						
RELOCATE	Adams Creek Daybeacon 6				CGD05 from 34-56-50.524N to 34-56-50.529N	076-40-03.284W 076-40-03.110W
RELOCATE	Adams Creek Light 4				CGD05 from 34-57-25.284N to 34-57-24.895N	076-40-54.378W 076-40-54.238W
RELOCATE	Russell Slough Daybeacon 6A				CGD05 from 34-44-19.836N to 34-44-19.528N	076-40-23.946W 076-40-24.044W

11544	41st Ed.	01-DEC-13	Last LNM: 40/16	NAD 83		41/16
<i>ChartTitle: Portsmouth Island to Beaufort, Including Cape Lookout Shoals</i>						
Main Panel 508 PORTSMOUTH ISL TO BEAUFORT INCL CAPE LOOKOUT SHOALS. Page/Side: N/A						
RELOCATE	Adams Creek Daybeacon 6				CGD05 from 34-56-50.524N to 34-56-50.529N	076-40-03.284W 076-40-03.110W
RELOCATE	Adams Creek Light 4				CGD05 from 34-57-25.284N to 34-57-24.895N	076-40-54.378W 076-40-54.238W
CHANGE	Cedar Island Bay Channel Light 8 to FIR 2.5s, 18FT, 4M, at				CGD05 at 34-59-31.704N	076-18-16.308W

11545	66th Ed.	01-JUN-15	Last LNM: 40/16	NAD 83		41/16
<i>ChartTitle: Beaufort Inlet and Part of Core Sound;Lookout Bight</i>						
CHART NC- BEAUFORT INLET AND PART OF CORE SOUND. Page/Side: N/A						
RELOCATE	Russell Slough Daybeacon 6A				CGD05 from 34-44-19.836N to 34-44-19.528N	076-40-23.946W 076-40-24.044W

11548	41st Ed.	01-SEP-12	Last LNM: 40/16	NAD 83		41/16
<i>ChartTitle: Pamlico Sound Western Part</i>						
CHART NC- PAMLICO SOUND- WESTERN PART. Page/Side: N/A						
					CGD05	

RELOCATE Goose Creek Channel Lighted Wreck Buoy WR6

CGD05
from 38-05-34.336N
to 38-05-34.194N

075-51-35.210W
075-51-35.545W

12285 42nd Ed. 01-AUG-15 Last LNM: 40/16 NAD 83

41/16

ChartTitle: Potomac River; District of Columbia

CHART MD-VA-DC- POTOMAC RIVER. Page/Side: N/A

RELOCATE Line of Fire Buoy O

CGD05
from 38-17-10.600N
to 38-17-11.062N

076-56-06.400W
076-56-05.797W

CHANGE Whitestone Point Light
to Iso W 6s, 17FT, 7M, at

CGD05
at 38-41-04.938N

077-07-23.345W

12286 32nd Ed. 01-JAN-15 Last LNM: 40/16 NAD 83

41/16

ChartTitle: Potomac River Piney Point to Lower Cedar Point

Main Panel 661 POTOMAC RIVER PINEY POINT TO LOWER CEDAR POINT. Page/Side: A

RELOCATE Line of Fire Buoy O

CGD05
from 38-17-10.600N
to 38-17-11.062N

076-56-06.400W
076-56-05.797W

12289 51st Ed. 01-AUG-15 Last LNM: 34/16 NAD 83

41/16

ChartTitle: Potomac River Mattawoman Creek to Georgetown; Washington Harbor

CHART MD-VA-DC-POTOMAC RIVER: MATTAWOMAN TO GEORGETOWN. Page/Side: N/A

CHANGE Whitestone Point Light
to Iso W 6s, 17FT, 7M, at

CGD05
at 38-41-04.938N

077-07-23.345W

SECTION V - ADVANCE NOTICES

This section contains advance notice of approved projects, changes to aids to navigation, or upcoming temporary changes such as dredging, etc. Mariners are advised to use caution while transiting these areas.

SUMMARY OF ADVANCED APPROVED PROJECTS

Approved Project(s)

None

Project Date

Ref. LNM

Advance Notice(s)

****VA – ENTRANCE TO PIANKATANK RIVER – MILFORD HAVEN EAST – HOLE IN THE WALL REMARKING****

On or about October 11, 2016 the Coast Guard will begin remarking Milford Haven East waterway; locally known as Hole In The Wall.

The following changes will occur:

Milford Haven East Light 3 will be changed to Milford Haven East Daybeacon 3
Milford Haven East Light 5 will be changed to Milford Haven East Daybeacon 5
Milford Haven East Light 6 will be changed to Milford Haven East Warning Daybeacon A
Milford Haven East Warning Daybeacon will be changed to Milford Haven East Warning Daybeacon B
Milford Haven East Buoy 7 will be established in position 37 27 47.030N—76 15 13.650W
Milford Haven East Buoy 6A will be changed to Milford Haven East Buoy 8
Milford Haven East Light 8 will be changed to Milford Haven East Warning Daybeacon C
Milford Haven East Buoy 9 will be established in position 37 28 02.500N—76 15 45.600W
Milford Haven East Light 9 will be changed to Milford Haven East Daybeacon 11
Milford Haven East Buoy 13 will be established in position 37 28 04.950N—76 15 58.340W
Milford Haven East Light 11 will be changed to Milford Haven East Warning Daybeacon D
Milford Haven East Daybeacon 12 will be changed to Milford Haven East Daybeacon 14
Milford Haven East Light 14 will be changed to Milford Haven East Daybeacon 16
Milford Haven East Buoy 18 will be established in position 37 27 58.560N—76 16 17.400W

Charts: 12235 12238

LNM: 38/16

SECTION VI - PROPOSED CHANGES

Periodically, the Coast Guard evaluates its system of aids to navigation to determine whether the conditions for which the aids to navigation were established have changed. When changes occur, the feasibility of improving, relocating, replacing, or discontinuing aids are considered. This section contains notice(s) of non-approved, proposed projects open for comment. SPECIAL NOTE: Mariners are requested to respond in writing to the District office unless otherwise noted (see banner page for address).

PROPOSED WATERWAY PROJECTS OPEN FOR PUBLIC COMMENT

Proposed Project(s)

Closing

Docket No.

Ref. LNM

None

Proposed Change Notice(s)

COAST GUARD POLICY ON NOTIFICATION OF PROPOSED CHANGES

Periodically, the Coast Guard, evaluates the system of aids to navigation to determine whether the conditions for which the aids to navigation were established have changed. When changes occur, the feasibility of improving, relocating, replacing, or discontinuing the aid is considered. In this regard, the Coast Guard is evaluating changes in aids to navigation as noted in the below articles. Users can provide feedback by filling out the District 5 Waterway Proposals data/feedback form, located at the NAVCEN D5 LNM website: http://www.navcen.uscg.gov/pdf/Inms/D05%20LNM%202015%20Special%20Notice_Waterway_Proposal%20Feedback%20Form.pdf This section also includes Public Notices for proposed changes to the bridges within the Fifth Coast Guard with a request for comments as indicated.

LNM: 41/11

******DE/NJ - UPPER DELAWARE RIVER - LEHIGH LOWER RANGE LIGHTS - PROPOSED CHANGE TO DAYTIME SIGNAL COLOR******

The Coast Guard is proposing to change the daytime signal light color on Lehigh Lower Range Front Light (LLNR 3965) and Range Rear Light (LLNR 3970) from white to green. This change will allow the Coast Guard to convert the range system from incandescent lamps to LED. Conversion to LED optics reduces power requirements, eliminates requirement for multiple lanterns, and improves range optic reliability. Interested Mariners and other stakeholders are strongly encouraged to comment on the potential impacts this proposal would have on navigational safety. You may provide feedback using the U. S. Coast Guard Fifth District Waterway Data Sheet, available online at: 5th Coast Guard District Special Notice Waterway Feedback Form.

All comments will be carefully considered and are requested prior to 08 Nov 2016 to be considered in the analysis. Refer to project number 05-15-112(D).

Send comments to tiffany.a.johnson@uscg.mil or CGD5Waterways@uscg.mil, or
U.S. Coast Guard Fifth District
Waterways Management (dpw)
Attn: LCDR T. Johnson
431 Crawford Street
Portsmouth, VA 23704

Chart 12314

LNM: 41/16

DE – DELAWARE BAY ENTRANCE – CAPE HENLOPEN

The Coast Guard is proposing to permanently establish Harbor of Refuge North End Lighted Buoy 1 at 38-49-58.400N, 075-06-21.500W until repairs can be completed to Harbor of Refuge North End Light 1 (LLNR 2050). Harbor of Refuge North End Lighted Buoy 1 would be replaced by a lighted ice buoy of reduced intensity from November 1 to April 1. Interested Mariners and other stakeholders are strongly encouraged to comment on the potential impacts this proposal would have on navigational safety. You may provide feedback using the U. S. Coast Guard Fifth District Waterway Data Sheet, available online at: 5th Coast Guard District Special Notice Waterway Feedback Form.

All comments will be carefully considered and are requested prior to 18 Oct 2016 to be considered in the analysis. Refer to project number 05-15-142(D).

Send comments to tiffany.a.johnson@uscg.mil or CGD5Waterways@uscg.mil, or
U.S. Coast Guard Fifth District
Waterways Management (dpw)
Attn: LCDR T. Johnson
431 Crawford Street
Portsmouth, VA 23704

Charts: 12214 12216 12304

LNM: 38/16

NJ- DELAWARE BAY- EAST SIDE- CHANGE TO FORTESCUE ENTRANCE LIGHTED BUOY 2F SEASONAL RELIEF

The Coast Guard is proposing the following modifications the seasonal relief schedule for Fortescue Entrance Lighted Buoy 2F (LLNR 1955): The lighted buoy will be removed 01 December through 01 April, annually, and the CG will eliminate the seasonal establishment of the nun buoy. The nun buoy has gone missing during each winter since 2012. Interested Mariners and other stakeholders are strongly encouraged to comment on the potential impacts this proposal would have on navigational safety. You may provide feedback using the U.S. Coast Guard Fifth District Waterway Data Sheet, available online at: 5th Coast Guard District Special Notice Waterway Feedback Form.

All comments will be carefully considered and are requested prior to October 18, 2016, to be considered in the analysis. Refer to project number 05-16-126.

Send comments to tiffany.a.johnson@uscg.mil or CGD5Waterways@uscg.mil, or
U.S. Coast Guard Fifth District
Waterways Management (dpw)
Attn: LCDR Johnson
431 Crawford Street
Portsmouth, VA 23704

Chart 12304

LNM: 36/16

NJ - DELAWARE BAY - CAPE MAY CANAL WEST ENTRANCE - CHANGE TO BUOY SEASONAL RELIEFS

The Coast Guard is proposing to change when Cape May Canal West Entrance Approach Lighted Buoy 4 (LLNR 1650) and Cape May Canal West

Entrance Approach Lighted Buoy 5 (LLNR 1655) would be replaced by a lighted ice buoy (LIB) of reduced intensity. Rather than being replaced with a LIB of reduced intensity between December 01 and March 15, annually, Cape May Canal West Entrance Approach Lighted Buoy 4 (LLNR 1650) and Cape May Canal West Entrance Approach Lighted Buoy 5 (LLNR 1655) would only be replaced by a LIB if the aids became endangered by ice. Interested Mariners and other stakeholders are strongly encouraged to comment on the potential impacts this proposal would have on navigational safety. You may provide feedback using the U.S. Coast Guard Fifth District Waterway Data Sheet, available online at: 5th Coast Guard District Special Notice Waterway Feedback Form.

All comments will be carefully considered and are requested prior to October 18, 2016, to be considered in the analysis. Refer to project number 05-16-127.

Send comments to tiffany.a.johnson@uscg.mil or CGD5Waterways@uscg.mil, or

U.S. Coast Guard Fifth District

Waterways Management (dpw)

Attn: LCDR Johnson

431 Crawford Street

Portsmouth, VA 23704

Chart 12214

LNM: 36/16

NJ - CAPE MAY HARBOR RANGE - PROPOSED CHANGE

The Coast Guard is proposing to change the light rhythm of Cape May Harbor Range Rear Light (LLNR 1460) from ISO W 4s to Oc W 4s. This change will allow the Coast Guard to convert the range system from incandescent lamps to LED. The Coast Guard does not propose changing the characteristics of Cape May Harbor Range Front Light 4 (LLNR 1455); it will remain Q R. Conversion to LED optics improves range optic reliability by reducing power requirements and eliminating the requirement for multiple lanterns. Interested Mariners and other stakeholders are strongly encouraged to comment on the potential impacts this proposal would have on navigational safety. You may provide feedback using the U. S. Coast Guard Fifth District Waterway Data Sheet, available online at 5th Coast Guard District Special Notice Waterway Feedback Form.

All comments will be carefully considered and are requested prior to 31 Oct 2016 to be considered in the analysis. Refer to project number 05-15-113(D).

Send comments to tiffany.a.johnson@uscg.mil or CGD5Waterways@uscg.mil, or

U.S. Coast Guard Fifth District

Waterways Management (dpw)

Attn: LCDR T. Johnson

431 Crawford Street

Portsmouth, VA 23704

Charts: 12214 12304 12316 12317

LNM: 38/16

MD- FENWICK ISLAND TO CHINCOTEAGUE INLET – SINEPUXENT BAY - PROPOSED AID TO NAVIGATION CHANGES

The Coast Guard is presently marking missing fixed aids to navigation with temporary unlighted buoys (TRUB) and due to waterway constraints the local construction tender can no longer access these areas for maintenance. The Coast Guard is soliciting comment on discontinuing the following temporary unlighted buoys (TRUB):

5037-Sinepuxent Bay Channel Daybeacon 10A (TRUB)

5105-Sinepuxent Bay Channel Daybeacon 27 (TRUB)

5120-Sinepuxent Bay Channel Daybeacon 29 (TRUB)

5205-Chincoteague Bay Daybeacon 26 (TRUB)

5215-Chincoteague Bay Daybeacon 23 (TRUB)

5477-Chincoteague Bay Channel Daybeacon 16A (TRUB)

Interested Mariners and other stakeholders are strongly encouraged to comment on the potential impacts this proposal would have on navigational safety. You may provide feedback using the U. S. Coast Guard Fifth District Waterway Data Sheet, available online at http://www.navcen.uscg.gov/pdf/nms/D05%20LNM%202015%20Special%20Notice_Waterway_Proposal%20Feedback%20Form.pdf

All comments will be carefully considered and are requested prior to October 17, 2016 to be considered in this analysis. Refer to project number 05-16-096(D)

Send comments to Albert.L.Grimes@uscg.mil or CGD5Waterways@uscg.mil, or mailed to

U.S. Coast Guard Fifth District

Waterways Management (dpw)

431 Crawford Street, Room 100

Portsmouth, VA 23704

Attn: Albert Grimes

Chart 12211

LNM: 39/16

*******MD – CHESAPEAKE BAY – WOLF TRAP TO SMITH POINT – CHESAPEAKE CHANNEL – USN AERIAL GUNNERY AREA*******

The Coast Guard is proposing to discontinue USN Aerial Gunnery Area Warning Daybeacons A (LLNR 7450) and B (LLNR 7455). These daybeacons were established in 1973 to warn small craft operators of aerial bombing range restrictions in the Chesapeake Bay on the west side of Tangier Island, described in the restricted area designation in 33 CFR 334.210. Although the restricted area regulation is still in effect, the bombing range was closed in the fall of 2000, with no current indications of a return to service.

Interested mariners and other stakeholders are strongly encouraged to comment on the potential impacts this proposal would have on navigation safety. You may provide feedback to using the U.S. Coast Guard Fifth District Waterway Data Sheet, available online at: 5th Coast Guard District Special Notice Waterway Feedback Form.

All comments will be carefully considered and are requested by prior to November 8, 2016. Send comments to douglas.c.simpson@uscg.mil or cgd5waterways@uscg.mil or

U.S. Coast Guard Fifth District

Waterways Management (dpw)
Attn: Doug Simpson
431 Crawford Street
Portsmouth, VA 23704.

Chart 12228

LNM: 41/16

******MD – POTOMAC RIVER – ST CATHERINE SOUND – PROPOSAL TO DISCONTINUE AIDS TO NAVIGATION******

Due to continuing shoaling in St. Catherine Sound Upper Entrance Channel; least depth 3.4'MLLW, the aids to navigation are unreliable and misleading to the waterway users. This shoaling has also limited the servicing vessels the Coast Guard can use to take corrective action. The Coast Guard is proposing discontinuing the following the aids to navigation:

St. Catherine Sound Upper Entrance Light 2U (LLNR 17270) 38 15 21.274N—76 48 35.960W

St. Margaret Island Warning Daybeacon (LLNR 17275) 38 15 07.740N—76 48 26.309W

St. Catherine Sound Upper Entrance Daybeacon 5U (LLNR 17280) 38 15 07.715N—76 48 24.586W

St. Catherine Sound Upper Entrance Daybeacon 7U (LLNR 17285) 38 14 50.212N—76 48 10.520W

St. Catherine Sound Upper Entrance Daybeacon 8U (17290) 38 14 54.017N—76 47 44.212W

All aids will be converted to non-lateral aids to navigation until the structures can be removed by contract. Interested Mariners and other stakeholders are strongly encouraged to comment on the potential impacts this proposal would have on navigational safety. You may provide feedback using the U. S. Coast Guard Fifth District Waterway Data Sheet, available online at

http://www.navcen.uscg.gov/pdf/Inms/D05%20LNM%202015%20Special%20Notice_Waterway_Proposal%20Feedback%20Form.pdf

All comments will be carefully considered and are requested prior to November 1, 2016 to be considered in the analysis. Please reference project 05-17-002(D).

Send comments to CGD5Waterways@uscg.mil or Albert.L.Grimes@uscg.mil or mailed to:

U.S. Coast Guard Fifth District
Waterways Management (dpw)
431 Crawford Street, Room 100
Portsmouth, VA 23704
Attn: Albert Grimes

Charts: 12285 12286

LNM: 41/16

******VA/MD – POTOMAC RIVER – LOWER CEDAR POINT TO MATTAWOMAN CREEK – CLIFTON BEACH LIGHT – PROPOSAL TO DISCONTINUE******

The Coast Guard soliciting comments for discontinuing the non-lateral aid to navigation located at Clifton Beach; Clifton Beach Light (LLNR 18030). Interested Mariners and other stakeholders are strongly encouraged to comment on the potential impacts this proposal would have on navigational safety. You may provide feedback using the U. S. Coast Guard Fifth District Waterway Data Sheet, available online at:

http://www.navcen.uscg.gov/pdf/Inms/D05%20LNM%202015%20Special%20Notice_Waterway_Proposal%20Feedback%20Form.pdf

All comments will be carefully considered and are requested prior November 1, 2016 to be considered in the analysis. Please reference project 05-16-126(D).

Send comments to Albert.L.Grimes@uscg.mil or CGD5Waterways@uscg.mil, or mailed to:

U.S. Coast Guard Fifth District
Waterways Management (dpw)
431 Crawford Street, Room 100
Portsmouth, VA 23704
Attn: Albert Grimes

Charts: 12285 12288

LNM: 40/16

VA/MD – POTOMAC RIVER – LOWER CEDAR POINT TO MATTAWOMAN CREEK – PORT TOBACCO RIVER – PROPOSED AID TO NAVIGATION CHANGES

The Coast Guard is soliciting comment on the following changes to the aids to navigation marking Port Tobacco River.

Rename:

Port Tobacco River Daybeacon 10 (LL 17795) to Port Tobacco River Daybeacon 8

Port Tobacco River Daybeacon 14 (LL 17805) to Port Tobacco River Daybeacon 10

Port Tobacco River Daybeacon 15 (LL 17810) to Port Tobacco River Daybeacon 11

Discontinue:

Port Tobacco River Daybeacon 12, TRUB (LL 17800) marked with a temporary buoy. Interested Mariners and other stakeholders are strongly encouraged to comment on the potential impacts this proposal would have on navigational safety. You may provide feedback using the U. S. Coast Guard Fifth District Waterway Data Sheet, available online at

http://www.navcen.uscg.gov/pdf/Inms/D05%20LNM%202015%20Special%20Notice_Waterway_Proposal%20Feedback%20Form.pdf

All comments will be carefully considered and are requested prior to October 17, 2016 to be considered in this analysis. Refer to project number 05-16-121(D)

Send comments to CGD5Waterways@uscg.mil or Albert.L.Grimes@uscg.mil, or mailed to

U.S. Coast Guard Fifth District
Waterways Management (dpw)
431 Crawford Street, Room 100
Portsmouth, VA 23704
Attn: Albert Grimes

Charts: 12285 12288

LNM: 39/16

******VA – YORK RIVER – GOODWIN THOROUGHFARE - PROPOSAL TO DISCONTINUE AIDS TO NAVIGATION******

During a recent Coast Guard survey, it was discovered that the channel connecting York River with Back Creek to Slaights Wharf, locally known as the Thoroughfare, has shoaling to depths of less than 3.5 feet. As a result, the Coast Guard cannot reposition the Aids to Navigation in order to mark a defined navigable waterway. The Coast Guard is concerned that the aids in place may be misleading to the mariner, and could be more dangerous than having no aids to navigation on the waterway. Therefore, the Coast Guard is proposing discontinuing seven (7) Goodwin Thoroughfare aids. The five (5) fixed structures will be converted to non-lateral aids until they can be removed by contract.

Aids to be discontinued and removed:

Goodwin Thoroughfare Channel Daybeacon 8 (LLNR 13335) 37 12 50.756N—76 24 28.341W
Goodwin Thoroughfare Channel Light 10 (LLNR 13340) 37 12 56.211N—76 24 48.393W
Goodwin Thoroughfare Channel Light 12 (LLNR 13345) 37 13 05.918N—76 25 00.087W
Goodwin Thoroughfare Warning Daybeacon A (LLNR 13350) 37 13 19.190N—76 25 05.709W
Goodwin Thoroughfare Channel Buoy 14 (LLNR 13355) 37 13 12.544N—76 25 03.694W
Goodwin Thoroughfare Channel Buoy 15 (LLNR 13360) 37 13 13.365N—76 25 05.341W
Goodwin Thoroughfare Warning Light GT (LLNR 13365) 37 13 40.006N—76 25 03.783W

Interested Mariners and other stakeholders are strongly encouraged to comment on the potential impacts this proposal would have on navigational safety. You may provide feedback using the U. S. Coast Guard Fifth District Waterway Data Sheet, available online at: http://www.navcen.uscg.gov/pdf/Inms/D05%20LNM%202015%20Special%20Notice_Waterway_Proposal%20Feedback%20Form.pdf
All comments will be carefully considered and are requested prior to November 21, 2016 to be considered in the analysis. Please reference project 05-16-145(D).

Send comments to CGD5Waterways@uscg.mil, or mailed to:

U.S. Coast Guard Fifth District
Waterways Management (dpw)
431 Crawford Street, Room 100
Portsmouth, VA 23704
Attn: Albert Grimes

Charts: 12238 12241

LNM: 41/16

VA – CHESAPEAKE BAY – MOBJACK BAY TO YORK RIVER - PROPOSED DISCONTINUATION OF AIDS TO NAVIGATION

Due to continuing shoaling in Winter Harbor the majority of the aids to navigation are not marking best water. This shoaling has also limited the servicing vessels the Coast Guard can use to take corrective action. The Coast Guard is proposing discontinuing the following aids to navigation:

Winter Harbor Channel Light 1WH (LL 14525)
Winter Harbor Channel Daybeacon 2 (LL 14530)
Winter Harbor Channel Warning Daybeacon A (LL 14535)
Winter Harbor Channel Warning Daybeacon B (LL 14555)
Winter Harbor Channel Daybeacon 8 (LL 14560)
Winter Harbor Channel Daybeacon 10 (LL 14565)
Winter Harbor Channel Daybeacon 12 (LL 14570)
Winter Harbor Channel Daybeacon 14 (LL 14575)

All aids will be converted to non-lateral aids to navigation until the structures can be removed by contract. Interested Mariners and other stakeholders are strongly encouraged to comment on the potential impacts this proposal would have on navigational safety. You may provide feedback using the U. S. Coast Guard Fifth District Waterway Data Sheet, available online at: http://www.navcen.uscg.gov/pdf/Inms/D05%20LNM%202015%20Special%20Notice_Waterway_Proposal%20Feedback%20Form.pdf
All comments will be carefully considered and are requested prior to October 25, 2016 to be considered in the analysis. Please reference project 05-16-144(D).

Send comments to Albert.L.Grimes@uscg.mil or CGD5Waterways@uscg.mil, or mailed to:

U.S. Coast Guard Fifth District
Waterways Management (dpw)
431 Crawford Street, Room 100
Portsmouth, VA 23704
Attn: Albert Grimes

Chart 12238

LNM: 39/16

NC – ALLIGATOR RIVER – DISCONTINUE AIDS TO NAVIGATION

The Coast Guard proposes to discontinue Alligator River Daybeacon 30 (LLNR 37905).

The aid was established on March 22, 1961 to mark the NW corner of a charted "Discontinued Spoils Area", 700ft west of the federal channel. The channel in this area is approximately 500 feet wide providing ample room to navigate. The area of the Alligator River is a very stable waterway with little to no shoal encroachment. Additionally, the aid has a history of vessel allisions, due to vessels using the aid as a turning point for the next segment of the channel. Water depths are consistent at least 50ft around Alligator River Daybeacon 30; the aid is not accurately marking safe water. Alligator Light 31 has a quick flashing characteristic, a characteristic generally used to mark a turn, rendering Alligator River Daybeacon 30 redundant and unnecessary to mark the turn. Interested Mariners and other stakeholders are strongly encouraged to comment on the potential impacts this proposal would have on navigational safety. You may provide feedback using the U. S. Coast Guard Fifth District Waterway Data Sheet, available online at:

http://www.navcen.uscg.gov/pdf/Inms/D05%20LNM%202015%20Special%20Notice_Waterway_Proposal%20Feedback%20Form.pdf

All comments will be carefully considered and are requested prior to 26 October, 2016 to be considered in the analysis. Refer to project number 05-16-131(D).

Send comments to CGD5Waterways@uscg.mil or pablo.a.ortiz2@uscg.mil

U.S. Coast Guard Fifth District
Waterways Management (dpw)
Attn: Pablo Ortiz
431 Crawford Street

Portsmouth, VA 23704

Charts: 11541 11545

LNLM: 38/16

NC – RUSSELL SLOUGH – GALLANTS CHANNEL – PROPOSED CHANGES AIDS TO NAVIGATION

Russell Slough is a non-maintained channel east of Newport Marshes in Beaufort, North Carolina. Gallants Channel is a federally maintained project that connects to the southern end of Russell Slough. However, the U.S. Army Corps of Engineers state there are no funds or plans to dredge this project. Due to encroaching shoals in these waterways, both channels require the following changes to appropriately mark and ensure safe navigation of the waterway.

The Coast Guard proposes to relocate:

Russell Slough DBN 6A (LLNR 38467)

Russell Slough Light 7 (LLNR 38470)

Russell Slough Channel Junction Light RG (LLNR 34855)

The Coast Guard proposes to establish:

Russell Slough Buoy 8

The Coast Guard proposes to discontinue:

Russell Slough Channel Warning DBN A (LLNR 34852)

Russell Slough Channel Warning DBN B (LLNR 34853)

Interested Mariners and other stakeholders are strongly encouraged to comment on the potential impacts this proposal would have on navigational safety. You may provide feedback using the U. S. Coast Guard Fifth District Waterway Data Sheet, available online at:

http://www.navcen.uscg.gov/pdf/Inms/D05%20LNM%202015%20Special%20Notice_Waterway_Proposal%20Feedback%20Form.pdf

All comments will be carefully considered and are requested prior to 26 October, 2016 to be considered in the analysis. Refer to project number 05-16-138(D).

Send comments to CGD5Waterways@uscg.mil or pablo.a.ortiz2@uscg.mil

U.S. Coast Guard Fifth District

Waterways Management (dpw)

Attn: Pablo Ortiz

431 Crawford Street

Portsmouth, VA 23704

Charts: 11541 11545

LNLM: 38/16

SECTION VII - GENERAL

This section contains information of general concern to the Mariners. Mariners are advised to use caution while transiting these areas.

VA – CHESAPEAKE BAY – CAPE CHARLES TO NORFOLK HARBOR - JOINT EXPEDITIONARY BASE LITTLE CREEK FORT STORY – LIVE FIRING

Live firing is conducted continuously in Danger Zone 334.370, the area west of the south end of the Chesapeake Bay Bridge Tunnel, bounded by the following positions 36-55-24N 76-08-43W, 36-55-50N 76-08-37W, 36-57-16N 76-08-14W, 36-57-16N 76-08-14W, 36-56-58.5N 76-07-11W, 36-57-07N 76-07-44W. Firing is conducted Monday through Friday from 7:00 am to 8:00 pm. For questions or concerns about these operations you may contact Range Operations and Training Area, Mr. Assaf or Ms. Lawrence at 757-422-7103/7101.

Charts: 12222 12254

LNLM: 19/16

VA - WILLOUGHBY BAY - THIMBLE SHOAL CHANNEL - HELICOPTER AIRBORNE MINE COUNTERMEASURES OPERATIONS

Helicopter Mine Countermeasures Squadron Fourteen (HM-14) routinely conducts airborne mine countermeasures (AMCM) operations utilizing the MH-53E helicopter at low altitudes over the following inland and coastal waterways:

- Willoughby Bay

- Thimble Shoal Channel from the Naval Station Norfolk piers to the Chesapeake Bay Bridge Tunnel.

- An area of the Chesapeake Bay, adjacent to the Thimble Shoal Channel from Thimble Shoal to the Chesapeake Bay bridge tunnel extending to the north four miles to form a four by seven mile rectangle.

During these operations, the aircraft will be operating at altitudes as low as seventy-five feet and will produce localized winds in excess of 125 miles per hour. Rotor wash produced winds pose a considerable hazard to vessels, especially sailing vessels. The devices the helicopters tow range in size and appearance from a large orange and white sled approximately the size of a pick up truck to slightly submerged steel pipes thirty feet in length, both of which have submerged cable extending well beyond the visible portion of the towed device. The Aircraft Commanders have been directed to exercise every effort to conflict and avoid surface vessels.

All mariners are requested to remain well clear of the helicopters, the towed devices, and the area extending directly behind the aircraft for four hundred yards. Do not approach or cross the area directly behind the towed device as a submerged hazard exists regardless of whether the device is in motion or stationary.

These operations involve large naval helicopters at flight altitudes of 100 feet or less, towing surface and sub-surface devices at speeds up to 25 knots. Helicopters may be identified by a rotating amber position light on centerline of main hull flashing 90 times per minute. An area of hurricane-force winds exists within a 250-foot radius around these helicopters, sufficient to blow people and objects from exposed decks and capsized small craft. The towed devices may be completely invisible and include large cables on or just below the surface streaming up to 1200 feet behind the aircraft. AMCM helicopters will transit to and from the area described above in the following manner: Outboard from the seaplane ramp at the Norfolk Naval Air Station across Willoughby Bay to the main shipping channel, then easterly along the main channel to Buoy 21. From Buoy 21 either East, SE or SSE to the operating area. The return flight will follow the same path as the outbound flight. To minimize the potential for mishap, vessels are requested to remain well clear of these danger zones when AMCM operations are encountered.

Charts: 12200 12205 12221 12222 12245 12254

LNLM: 01/16

VA -YORK RIVER - U.S. NAVAL WEAPONS STATION - CHEATHAM ANNEX - SMALL ARMS LIVE FIRE DANGER ZONE

A Danger zone has been established within an area beginning at Mean High Water on the shore at the U.S. Naval Weapons Station, Cheatham Annex facility on the York River, located at 37-17-33.10N, 076-36-19.06W; then northeast to a point on the York River at 37-18-36.650N, 076-34-39.010"W, thence south, southeast to 37-18- 59.37N, 076-34-13.65W; then southwest to a point on the shore located at 37-17-26.750N, 076-36-14.890W. Vessels may transit this area at any time, however, no vessel shall anchor, fish or conduct any waterborne activities within the Danger Zone established in accordance with this regulation any time live firing exercises are being conducted. Any time live firing is being conducted a red flag will be displayed in a conspicuous location along the shore to signify the range is active. At night, red lights will be displayed.

Chart 12241

LNM: 01/16

VA - VIRGINIA CAPES OPERATING AREA (VCOA) - PERMANENT MINE WARFARE TRAINING FIELDS

The U.S. Navy has established four permanent mine warfare training fields within the Virginia Capes Operating Areas. The bounding coordinates for each field are as follow:

AREA A: 37-09.0N 075-31.0W, 37-09.0N 075-34.7W, 37-12.0N 075-31.0W, 37-12.0N 075-34.7W.

AREA B: 36-29.0N 075-31.8W, 36-29.0N 075-35.5W, 36-26.0N 075-35.5W, 36-26.0N 075-31.8W.

AREA C: 36-29.0N 075-20.8W, 36-29.0N 075-24.5W, 36-26.0N 075-24.5W, 36-29.0N 075-20.8W.

AREA D: 36-46.5N 075-47.8W, 36-46.5N 075-46.5W, 36-47.5N 075-46.5W, 36-47.5N 075-47.8W.

Each area contains inert bottom and moored training mines that pose a potential hazard to dredging operations and trawler nets. All moored mines are placed at a minimum of 40 feet depth (MLLW) to preclude them as hazards to navigation.

Chart 12200

LNM: 01/16

VA – APPROACHES TO CHESAPEAKE BAY – HYDROPHONES

The U.S. Navy has deployed four hydrophones in DANGER AREA 334.390 (W-50). The Hydrophones are located in the following approximate positions: 36-49.0N 075-52.7W, 36-49.0N 075-52.6W, 36-48.9N 075-52.5W, AND 36-48.8N 075-52.5W. The Hydrophones are moored at a depth of approximately 25 feet below the water surface, and they pose a hazard to trawler nets. The Hydrophones will be deployed for an indefinite amount of time for the purposes of collecting data in support of a U.S. Navy environmental impact survey of marine mammals in the Virginia Beach Coast Areas.

Charts: 12207 12208

LNM: 07/15

NC - NEW RIVER - FIRING EXERCISES

1. The Commanding General, Marine Corps Installations East-Marine Corps Base Camp Lejeune (MCIE-MCB CamLej), North Carolina, has advised that the area in the Atlantic Ocean between a point approximately 4.5 miles east of Bogue Inlet to a point approximately 10 miles southwest of New River Inlet, North Carolina, within the existing danger zone (depicted as 334.440) as shown on National Ocean Service Chart 11543, will be hazardous to navigation because of field firing exercises during the periods and times stated below. Firing will be up to 15 nautical miles seaward. Vessels are urged to avoid the above area during the periods stated except for the Atlantic Intracoastal Waterway, where mariners traveling through this area can expect a delay of about one to four hours during the below times. Range Control Boats, MCIE-MCB CamLej North Carolina monitor Channel 16 VHF-FM (156.8 MHz) and the working Channel 82 VHF-FM (161.725 MHz). Range Control can be reached by phone at 910-451-3064 or 4449.

2. The restricted areas in the Atlantic Ocean East of the New River Inlet as shown on National Ocean Service Chart 11543, will be closed to navigation because of firing exercises during the following periods:

Atlantic Coast Sector Live Fire Operations

8:00 a.m. to 5:00 pm Daily (USS Ship-Naval Gunfire)

8:00 a.m. to 10:00 pm Daily (Stinger Missiles and ranges)

Atlantic Coast Sector Non-Live fire operations

12:01 a.m. to Midnight Daily (USS Ship-Maneuvering)

3. The restricted areas in the New River, as shown on National Ocean Service Chart 11542, that WILL be closed to navigation because of Stone Bay Rifle Range firing exercises during the following periods:

Stone Creek Sector 12:01 a.m. to Midnight – daily

Stone Bay Sector 12:01 a.m. to Midnight – daily

West of the 77 (deg) 26(min) longitude line.

The restricted areas that MAY be closed to navigation because of firing exercises during the following periods:

Traps Bay Sector 12:01 a.m. to Midnight – daily

Courthouse Bay Sector 12:01 a.m. to Midnight – daily

Stone Bay Sector 12:01 a.m. to Midnight – daily

East of the 77 (deg) 26 (min) longitude line.

Grey Point Sector 12:01 a.m. to Midnight – daily

Farnell Bay Sector Sunrise to Sunset – daily

Morgans Bay Sector Sunrise to Sunset – daily

Jacksonville Sector Sunrise to Sunset – daily

4. The Target Bombing Area N1/BT-3 Impact Area in the Atlantic Ocean East of the New River Inlet as shown on National Ocean Service Chart 11543, may be closed to navigation because of firing exercises during the following periods:

N1/BT-3 Live Fire Operations:

8:00 a.m. to 5:00 pm Daily (USS Ship-Naval Gunfire)

8:00 a.m. to 10:00 pm Daily (Stinger Missile and ranges)

N1/BT-3 Non-Live Fire Operations:

12:01 a.m. to Midnight Daily (USS Ship-Maneuvering)

5. Atlantic Intracoastal Waterway, Inland Waters in the Browns Island Inlet area between Bear Creek and Onslow Beach, may be closed for firing exercises during the following periods:

Live Fire Operations:

8:00 a.m. to 5:00 pm Daily (USS Ship-Naval Gunfire)

8:00 a.m. to 10:00 pm Daily (Ranges)

NC - NEW RIVER - FIRING EXERCISES

Non-Live Fire Operations:

12:01 a.m. to Midnight Daily (Boat-Maneuvering)

6. Ship operations consisting of landing craft, amphibious vehicles, and helicopters may be conducted in the Onslow Beach operating area and all sectors of New River from 12:01 a.m. to Midnight – daily. Range Control Boats, MCIE-MCB CamLej North Carolina monitor Channel 16 VHF-FM (156.8 MHz) and the working Channel 82 VHF-FM (161.725 MHz). Range Control can be reached by phone at 910-451-3064 or 4449.

7. Due to unexploded ordnance on Browns Island and in the adjacent waterways and marsh areas, Browns Island is off limits to all unauthorized personnel. Vessels may transit the surrounding waters, however no vessel shall bottom fish or anchor.

Charts: 11541 11542 11543

LNLM: 01/16

******PA – SCHUYLKILL RIVER – PIPELINE MAINTENANCE – TEMPORARY BUOYS******

On or about October 17 through October 28, 2016, Buckeye Partners, L.P. will conduct maintenance on an exposed pipeline in the Schuylkill River near East Pikeland Township in approximate position 40-09-50N, 075-31-38W. This is approximately 1400 feet north of the defunct Norfolk Southern Railroad Bridge that was part of the Cromby Power Plant rail spur. The project will require the construction of a temporary cofferdam which will be marked by a barrier float line. The float line will be marked with six lighted warning buoys, flashing ISO white every 2 seconds. Additionally, a channel for transiting small craft traffic will be temporarily established, marked with a green lighted buoy with a slow flashing green light at the southeastern corner of the cofferdam and a red lighted buoy with a slow flashing red light at the eastern shoreline of the Schuylkill. Finally, two additional lighted warning buoys will be established 200 feet upriver (north) and downriver (south) of project, flashing ISO white every 2 seconds. Small craft operators near that section of the Schuylkill are reminded to operate with caution.

LNLM: 41/16

VA - COASTAL - STATE MILITARY RESERVATION, CAMP PENDLETON, VIRGINIA BEACH - SMALL ARMS LIVE FIRE SCHEDULE

The Camp Pendleton State Military Reservation Live Fire Small Arms Range described as all of the waters seaward of the mean high water shore line within a sector between radial lines extending 13,500 yards seaward and bearing 070 degrees true and 150 degrees true, respectively, from a point on shore at 36- 48- 58.3N, 075- 57- 59.0W. All vessel operators are reminded to review Navigation Regulations as described in paragraph 334.380 of Chapter 2, of U.S. Coast Pilot 4, Atlantic Coast: Cape Henry to Key West (45th) Edition when operating south of the entrance to the Chesapeake Bay. Firing will take place only during daylight hours and red flags will be displayed at conspicuous locations on the beach at the facility. Vessels shall proceed through the area with caution and shall remain in the area no longer than necessary for transit.

LNLM: 13/16

DREDGING AND MARINE CONSTRUCTION CAUTIONS

Mariners are cautioned to stay clear of dredge, booster, floating (pontoon) and submerged pipelines, barges, derricks and operating wires associated with dredging and marine construction operations. Operators of vessels of all types should be aware that dredges and floating pipelines are held in place by cables, attached to anchors some distance away from the equipment. Buoys are attached to the anchors so that the anchors may be moved as the dredge advances and the location of the submerged pipelines are marked by buoys on each side of the channel. Mariners are cautioned to strictly comply with the Inland Rules of the Road when approaching, passing and leaving the area of operations, and remain a safe distance away from the dredge, booster, buoys, cables, pipeline, barges, derricks, wires and related equipment. Dredging projects are usually conducted twenty-four (24) hours a day seven (7) days a week. All fishnets, crabpots and structures in the general area must be removed prior to commencement of any work. A NO WAKE transit is requested of all vessels passing the dredge and if necessary to clarify a SAFE PASSAGE contact the dredge on the appropriate VHF-FM channels.

LNLM: 01/16

PA/NJ – DELAWARE RIVER PHILADELPHIA TO TRENTON – DELAWARE RIVER TURNPIKE BRIDGE

Atlantic Subsea Inc will be conducting repairs to the bridge fender systems and pier structure on the Rte I-276, Delaware River Turnpike Bridge in Burlington Twp, NJ & Bristol Twp, PA. Work will be conducted between 9 August and approximately mid October 2016. Normal hours of operation 7:00 am to 3:30 pm. The 200 ft crane barge Tioga with a 25' safety boat will be on scene. Site contact: Dean Brady, cell 856-207-3005 or VHF channel 13 Office contact: Ajay A Talwar, 856-241-3544 ext 14, Answering service (24/7), 856-427-5312

Chart 12314

LNLM: 32/16

PA/NJ – DELAWARE RIVER – MARCUS HOOK – VIBRACORING OPERATIONS

Vibracoring will be taken in the Delaware River near Marcus Hook, PA just east of the center line of the channel along the Marcus Hook Range in Anchorage #7. Operations will be conducted during daylight hours from 10 October to 14 October 2016 from the lift boat Vantage. For information or concerns contact John Livingston at 864-237-3139 or jllivingston@nstarmarine.com.

Chart 12312

LNLM: 40/16

NJ – DELAWARE RIVER – RANCOCAS CREEK - BRIDGE REPAIR

An engineering firm, on behalf of Burlington County Bridge Commission, will be repairing the fender system on the Riverside-Delanco Bridge, on Rancocas Creek at mile 1.3 in Burlington, New Jersey. The repair will be conducted between October 03, 2016 and, October 31, 2016; M-F; from 7 a.m. to 3:30 p.m. A one hour advanced notice will be required for an opening during this period. This will allow the inspection personnel and equipment to relocate from the moveable span and navigable channel. Please also note that one of the channels may be blocked with a work barge during various stages of the operation but at least one channel will remain open at all times. Mariners can request an opening by contacting the bridge operator at least one hour in advance on VHF/FM Channel 13. The Project Foreman can be reached at (215) 421-2880. The available vertical clearance in the closed-to-navigation position is approximately 4 feet, above MHW. Mariners able to pass under the closed span may do so and should adjust their transits accordingly.

Chart 12314

LNLM: 39/16

PA/NJ – DELAWARE RIVER – PHILADELPHIA TO TRENTON – TACONY - PALMYRA BRIDGE

The SR 73 (Tacony-Palmyra) Bridge over Delaware River, mile 107.2, in Tacony, PA and Palmyra, NJ will remain in the closed-to-navigation position

PA/NJ – DELAWARE RIVER – PHILADELPHIA TO TRENTON – TACONY - PALMYRA BRIDGE

to facilitate bridge maintenance and repairs. The bridge will remain in the closed position from 6 a.m. to 6 p.m.; Monday-Friday; September 12 through September 16, 2016 and September 19 through September 23, 2016. The bridge will also remain in the closed-to-navigation position from 7 a.m. to 6 p.m. on alternative work dates from September 26, 2016 through September 30, 2016. The bridge will not be able to open for emergencies and there is no immediate alternative route for vessels to pass. Mariners able to pass under the closed span (50 feet above mean high water) may do so, and all others should adjust their transits accordingly. Mariners should use caution when transiting the area.

Chart 12314

LNM: 36/16

NJ - INTRACOASTAL WATERWAY - SANDY HOOK TO LITTLE EGG HARBOR – SHARK RIVER – DREDGING

Mobile Dredging and Pumping will continue conducting dredging of the main navigational channel in the Shark River, near Neptune City, NJ, from October 1 through October 31, 2016, from 9 a.m. on Mondays through 9 p.m. on Thursdays. The Coast Guard is establishing a Safety Zone that will close the main navigational channel at these times on all the navigable waters on the Shark River from latitude 40° 10' 53.2579N, longitude 074° 01' 52.6231W, bounded by the eastern side of the channel and the western side of the channel, north, to latitude 40° 11' 21.0139N, longitude 074° 01' 53.1749W. Entry into, transiting, or anchoring within this portion of Shark River during these times is prohibited. The main navigational channel of this portion of the shark river will be open for vessel traffic Thursdays from 9 p.m. through Mondays at 9 a.m. Vessels are requested to contact the dredge via VHF-FM channel 13 or 16 to make satisfactory passing arrangement and maintain a safe speed when transiting the main navigational channel during times of channel openings. Mariners should adjust their transits accordingly during times of channel closure and proceed with caution in the area.

Chart 12324

LNM: 40/16

NJ – SEACOAST – LITTLE EGG INLET TO HEREFORD INLET – OFF SHORE LITTLE EGG INLET - CINAR STORM BUOY

On or about 2 Aug through 1 Dec 2016 the University of Maryland, Center for Environmental Science will be deploying a CINAR Tempests Storm monitoring buoy in approximate position 39° 28' 7.2" N, 74° 13' 52.2" W. The buoy is yellow in color and shows a W FL 4S light at night with approximately 7 ft of the buoy showing above the water line. For information or concerns contact Bill Boicourt or Mark Neary at 410-221- 8426 or 207-266-0474, boicourt@umces.edu, mark.g.neary@maine.edu.

Chart 12318

LNM: 31/16

NJ – LITTLE EGG INLET TO HEREFORD INLET – GREAT EGG ISLAND INLET – BEESLEYS POINT TEMPORARY BUOYS

On or about July 25 until about December 31, 2016, Route 52 Constructors will temporarily establish two buoys, one red and one green, to mark best water for vessels transiting Great Egg Harbor Bay while the final section of the old Beesleys Point Bridge (Rt 9) is removed. These buoys will shift the channel approximately 100 feet south of the existing channel so that vessels will no longer transit under the bascule bridge leaves. Once the final section of the bridge is removed, the buoys will be disestablished. Mariners are reminded to proceed with caution when navigating near the remaining section of the old Beesleys Point Bridge.

Beesleys Point Buoy 1 39-17-32.4N, 074-37-34.1W Green Can

Beesleys Point Buoy 2 38-17-32.9N, 076-37-34.3W Red Nun

Chart 12316

LNM: 28/16

******NJ – INTERCOASTAL WATERWAY - LITTLE EGG HARBOR BAY – PATCONG CREEK – BRIDGE MAINTENANCE******

An engineering firm, on behalf of the County of Atlantic, will be performing bridge maintenance and repair on the CR 559 (Mays Landings-Somers Point Road) Bridge over Patcong Creek, mile 0.5, in Somers Point, NJ. The maintenance will be conducted from October 19, 2016 through February 24, 2017; Monday-Friday, from 6:30 a.m. to 5 p.m. Four barges and a 20 foot work vessel will be in and around the vicinity of the bridge. After the month of November 2016, 2 or 3 barges will be in the navigation span, which will reduce the horizontal clearance of the bridge by half to approximately 27 feet. Maintenance personnel, equipment and vessels will relocate from the navigable channel, upon request. Work vessels may be reached on VHF-FM channel 13. The project foreman can be reached at (609) 381-5587. If mariners require the full horizontal clearance to safely transit through the bridge, they should notify the work foreman no less than 2 hours prior to navigating through the bridge. Mariners should use extreme caution when transiting the area.

Chart 12316

LNM: 41/16

NJ – INTRACOASTAL WATERWAY - LITTLE EGG HARBOR TO CAPE MAY – BRIDGE MAINTENANCE

An engineering firm, on behalf of Cape May County, will be performing maintenance on the Roosevelt Boulevard Bridge over Crook Horn Creek, mile 84.3 in Cape May County, NJ. The maintenance will be conducted between October 3, 2016 and May 1, 2017; M-F; from 6:30 a.m. to 5 p.m. Repair and rehabilitation of the bridge deck plate will occur. Maintenance personnel and equipment will be working on the surface of the bridge exclusively and will not affect the navigable waterway.

Chart 12316

LNM: 40/16

NJ – GREAT EGG HARBOR INLET – GREAT EGG HARBOR – TUCKAHOE RIVER

Mariners are advised of the continued demolition work at the Route 50/State Highway Bridge, at mile 8.0, across Tuckahoe River between Corbin City and Upper Township NJ. The next stage of demolition work will include removal of the bridge superstructure, abutment walls, fender system and the bascule piers, work will be conducted from 7:00 a.m. to 3:30 Monday through Friday beginning in September 2016 and ending in January 2017. Mariners should adjust their transits accordingly.

Chart 12318

LNM: 31/16

MD – CHESAPEAKE BAY – MIDDLE RIVER – DARK HEAD CREEK DATA BUOYS

On or about October 1, 2016, Lockheed Martin will establish three data buoys to monitor water quality during sediment remediation projects in Dark Head Cove & Cow Pen Creek, which directly open into Dark Head Creek. The data buoys are yellow and will be lit with flashing yellow lights at night. The buoys will be removed upon completion of the projects which is estimated to be April 2018.

Dark Head Creek Data Buoy A, approx position 39-19-19N, 076-25-44W FL Y 4s

Dark Head Creek Data Buoy B, approx position 39-19-22N, 076-25-45W FL Y 4s

MD – CHESAPEAKE BAY – MIDDLE RIVER – DARK HEAD CREEK DATA BUOYS

Dark Head Creek Data Buoy C, approx position 39-19-24N, 076-25-42W FL Y 4s

Chart 12278

LNM: 39/16

MD – CHESAPEAKE BAY – APPROACHES TO BALTIMORE HARBOR – BALTIMORE HARBOR – BALTIMORE AIR SHOW TEMPORARY BUOYS

On or about October 12, 2016 until about October 17, 2016, the Maryland Department of Natural Resources will establish fourteen temporary buoys to support the Baltimore Air Show. Eleven of the buoys will be white cans with orange crossed diamonds that are marked "prohibited." They are intended to assist in identifying the boundaries of the air show box, so that persons and vessels remain outside this area during the enforcement periods. The other three buoys are 52-inch orange balls and will be used for vessel management within the air show regulated area. None of the buoys will be lit at night.

Baltimore Air Show Exclusion Buoy A 39-14-55N, 076-33-50W

Baltimore Air Show Exclusion Buoy B 39-14-58N, 076-34-08W

Baltimore Air Show Exclusion Buoy C 39-15-15N, 076-35-49W

Baltimore Air Show Exclusion Buoy D 39-15-22N, 076-36-00W

Baltimore Air Show Exclusion Buoy E 39-15-38N, 076-35-19W

Baltimore Air Show Exclusion Buoy F 39-15-32N, 076-34-46W

Baltimore Air Show Exclusion Buoy G 39-15-28N, 076-34-21W

Baltimore Air Show Exclusion Buoy H 39-15-25N, 076-34-08W

Baltimore Air Show Exclusion Buoy I 39-15-21N, 076-33-41W

Baltimore Air Show Exclusion Buoy J 39-15-09N, 076-33-28W

Baltimore Air Show Exclusion Buoy K 39-14-57N, 076-33-31W

Baltimore Air Show Center Marker Buoy A 39-15-26N, 076-34-41W

Baltimore Air Show Left Marker Buoy A 39-15-23N, 076-34-22W

Baltimore Air Show Right Marker Buoy A 39-15-29N, 076-35-00W

For more information about vessel regulations, allowed spectator locations, and information for contacting the Patrol Commander during the air show, please visit the "Summary of Marine Events and Fireworks Displays" enclosure later in this publication and read the article titled "MD – CHESAPEAKE BAY – APPROACHES TO BALTIMORE HARBOR – BALTIMORE HARBOR – REGULATED AREA."

Chart 12281

LNM: 39/16

MD – BALTIMORE HARBOR - PATAPSCO RIVER - HANOVER STREET BRIDGE

An engineering firm, on behalf of Baltimore City Department of Transportation, will be performing an inspection at the SR 2 (Hanover Street) Bridge over Patapsco River, mile 11.4, in Baltimore, MD. The inspection will be conducted from October 17, 2016 to October 28, 2016; M-F; and Saturday, October 29, 2016 from 7 a.m. to 3 p.m. Inspection personnel will relocate from the moveable span and navigable channel, upon request. The project foreman can be reached at (410) 573-1999. Mariners should use caution when transiting the area.

Chart 12281

LNM: 38/16

MD – CHESAPEAKE BAY – BALTIMORE HARBOR – FERRY BAR CHANNEL - MOORING BUOY

On or about September 14, 2016, Corman Marine will establish a mooring buoy approximately 300 yards south, southwest of Fort McHenry in the Patapsco River. The mooring buoy will support work barges used for multiple shoreline protection projects. The buoy will be white with a blue band and lit with a slow flashing white light when no vessel is moored to it.

Corman Marine Ft McHenry Mooring Buoy B in approximate position, 39-15-33N, 076-34-56W, showing FI W 4S.

Chart 12231

LNM: 38/16

MD – SEACOAST - FENWICK ISLAND TO CHINCOTEAGUE INLET – OFF SHORE OCEAN CITY INLET – CINAR STORM BUOY

On or about 2 Aug through 1 Dec 2016 the University of Maryland, Center for Environmental Science will be deploying a CINAR Tempests Storm monitoring buoy in approximate position 38° 16' 4" N, 75° 00' 23". The buoy is yellow in color and shows a W FL 4S light at night with approximately 7 ft of the buoy showing above the water line. For information or concerns contact Bill Boicourt or Mark Neary at 410-221- 8426 or 207-266-0474, boicourt@umces.edu, mark.g.neary@maine.edu.

Chart 12211

LNM: 31/16

******MD – CHESAPEAKE BAY – CHESTER RIVER – LOVE POINT******

McLean Contracting will be placing approximately 500 tons of concrete in the southeast corner of the Love Point artificial reef site in approximate position 39 04.06' N, 76 17.36' W. The deployment will take place over one day the week of 24 October 2016 from one crane barge and two barges loaded with the reef material. For information or concerns contact Michael Malpezzi, Artificial Reef Coordinator, MD DNR 410-260-8290, Michael.Malpezzi@Maryland.gov.

Charts: 12272 12278 12280

LNM: 41/16

MD – CHESAPEAKE BAY – SEVERN RIVER – SPA CREEK – ANNAPOLIS HARBOR – MARINE CONSTRUCTION OPERATIONS

Annapolis Boat Shows, Inc. will conduct in-water operations in support of the annual United States Sailboat and United States Powerboat Shows in Annapolis Harbor at Annapolis, MD during September 28-October 20, 2016. Temporary pilings, floating docks and submerged electrical cables will be placed in Annapolis Harbor. To support the in-water operations in Annapolis Harbor, long tows will occur across the Severn River, between Spa Creek and Carr Creek, during October 18-20, 2016 and October 23-30, 2016. During these periods, mariners are urged to use extreme caution when transiting the area, and to operate at reduced speed to minimize wake near the towing operations. Information regarding special anchoring restrictions in Annapolis Harbor in the event of severe weather during this period should be directed to the Annapolis City Harbormaster's Office on marine band radio VHF-FM channel 71 or telephone (410) 263-7973.

Chart 12283

LNM: 40/16

MD – CHESAPEAKE BAY – CHOPTANK RIVER AND HERRING BAY – ROCKHOLD CREEK – DREDGING OPERATIONS

Dredging operations are scheduled to occur in Rockhold Creek and Tracy's Creek at Deale, MD, from on or about October 13, 2016 through November 2, 2016. Within Rockhold Creek, dredging of the 50-foot wide navigation channels will occur from approximately the Defense Highway overpass to roughly 700 linear feet upstream (north). The channel width will be restricted during this process. Equipment on scene includes 4 scour barges and 2 digging barges. All equipment will be marked and lighted in accordance with USCG regulations. Mariners are urged to provide 6 hours advance notice for passage, use caution when transiting the area and reduce to a no wake speed in the vicinity of the equipment, and should contact vessel "BIG C TOO" via marine band radio VHF-FM channels 13, 16 and 08. The Edwin A. and John O. Crandell, Inc. project manager can be reached at (410) 867-0200.

Chart 12266

LNM: 41/16

MD - CHESAPEAKE BAY - PATUXENT RIVER AND VICINITY – COVE POINT

Dominion Cove Point LNG Liquefaction Project will be deploying construction material in the Cedar Point Artificial Reef located at just south of the Patuxent River bounded by the following positions.

38-19.03N, 76-23.03W

38-18.67N, 76-22.25W

38-18.82N, 76-23.22W

38-18.53N, 76-22.40W

The deployment of reef material will occur between Sep 1 and Oct 31 2016.

Chart 12264

LNM: 32/16

MD/VA – CHESAPEAKE BAY – SMITH ISLAND – TEMPORARY MOORING BUOYS

From about July 23, 2016 until about October 23, 2016, Coastal Design and Construction will temporarily establish six mooring buoys on the west side of Smith Island off of Hog Neck to support work barges for a shoreline protection project. The buoys will be white with blue bands and rise 3 feet above the waterline.

Hog Neck Mooring Buoy A 37-57-00N, 076-03-30W

Hog Neck Mooring Buoy B 37-56-48N, 076-03-30W

Hog Neck Mooring Buoy C 37-57-18N, 076-03-09W

Hog Neck Mooring Buoy D 37-57-27N, 076-03-09W

Hog Neck Mooring Buoy E 37-57-34N, 076-03-09W

Hog Neck Mooring Buoy F 37-57-40N, 076-03-09W

Chart 12231

LNM: 29/16

DC – POTOMAC RIVER – WASHINGTON CHANNEL – SUBSURFACE SURVEY

GEI Consultants will be conducting subsurface survey work in Washington Channel, Southwest Waterfront, Washington DC between 17 and 18 October 2016. The work will be performed from a 40 X 100 foot barge moving around the basin.

Chart 12289

LNM: 38/16

******VA – CHESAPEAKE BAY – CAPE CHARLES TO NORFOLK HARBOR - JOINT EXPEDITIONARY BASE LITTLE CREEK FORT STORY – MILITARY OPERATIONS******

Military Operations will be conducted in the following areas during the dates and times listed. Operations may consist of swimmers in the water, small boat operations consisting of four to seven boats, beach landing craft, unmanned aerial vehicles, helicopter air drops and recovery, blank firing.

Naval Anchorage Area A & B, 10 thru 11 Oct 16. Between the hours of 8:00 pm and 2:00 am.

Naval Anchorage Area A, 12 Oct 16. Between the hours of 9:00 am and 4:00 pm.

Naval Anchorage Area A & B, 12 Oct 16. Between the hours of 9:00 am and 4:00 pm.

Naval Anchorage Area A & B, 12 thru 13 Oct 16. Between the hours of 4:00 pm and 6:00 pm.

Naval Anchorage Area D, Little Creek Restricted Area, 17 Oct thru 14 Nov 16. Daily between the hours of 10:00 am and midnight.

Naval Anchorage Area A, 18 Oct 16. Between the hours of 9:00 am and 3:00 pm.

Naval Anchorage Area A & B, 18 Oct 16. Between the hours of 9:00 am and 3:00 pm.

For questions or concerns about these operations you may contact Range Operations and Training Area, Mr. Assaf or Ms. Lawrence at 757-422-7103/7101.

Charts: 12222 12254

LNM: 20/16

******VA - CHESAPEAKE BAY - WILLOUGHBY BAY - MILITARY EXERCISE******

A live blank fire exercise for NSA-Norfolk Naval Shipyard (NSA-NNSY) Harbor Patrol Unit will be conducted in Willoughby Bay in approximate position 36-57N, 76-17.5W 24 from 15 November 2016 to 17 November 2016, during the hours of 8:00 am to 4:00 pm. Vessels from NSA-NNSY Harbor Patrol Unit, Atlantic Targeting 8M Rigid Hulled Inflatable Boat and Harbor Security Boats will take part in the exercise. VHF-FM channels 82 primary and 69 secondary will be monitored on scene or you may contact Erik Wagner at 757-483-3821 for question or concerns.

Chart 12245

LNM: 39/16

VA – JAMES RIVER – DOMINION ASSOCIATES PIER – DREDGING

The Norfolk Dredge Company Dredge Virginian will be dredging at the Dominion Terminal Associates Pier in Newport News, VA between 1 Oct and 20 Oct 2016. The dredge material will be transported to Craney Island via scows. The Dredge can be contacted on VHF-FM channels 13 and 16. Norfolk Dredge Company can be contacted at 757-547-9391.

Chart 12248

LNM: 38/16

VA – YORK RIVER – VICINITY OF THE COLEMAN BRIDGE

VA – YORK RIVER – VICINITY OF THE COLEMAN BRIDGE

Precon Marine Inc. will be performing Diving and Crane operations from a 60' by 120' barge in the vicinity of John P. Coleman bridge from 3 October until 4 November 2016. The work will consist of installing articulating mats with a floating crane 1000' north of the bridge on the York side of the river in approximate position 37-14'28", 76-30'42". During the installation while divers are working over the side the required notifications will be displayed. Mariners should use extreme caution and maintain a no wake speed when transiting this work area. The onsite barge superintendent will monitor and answer VHF-FM channels 13 and 16, and can be reached at 757-754-0767.

Chart 12241

LNM: 39/16

VA – RAPPAHANNOCK RIVER - ROBERT O. NORRIS JR. BRIDGE MAINTENANCE

An engineering firm, on behalf of Virginia Department of Transportation, will be performing maintenance at SR 3 (Robert O. Norris Jr.) bridge, over Rappahannock River, mile 8.3, in White Stone, VA. The maintenance will be conducted between October 3, 2016 through November 2017; 24 hours a day; 7 days a week. A containment system will be installed over the entire length of the bridge extending 4 feet below low steel. The vertical clearance of the bridge will be reduced by 4 feet, to approximately 106 feet above mean high water. A work platform will be attached to the bridge. Maintenance personnel, equipment, two barges and work vessels will be in the vicinity of the bridge. Quick flashing red lights will be positioned no more than 10 feet apart and on all corners, to mark the bottom of the work platform attached to the bridge. Legible signs will be erected on the existing fender system to bring awareness regarding the reduced clearance. Work vessels may be reached on VHF-FM channel 13. The project foreman can be reached at (804) 577-0049 or (216) 235-3933. Mariners should use caution when transiting the area.

Chart 12235

LNM: 39/16

VA – SEACOAST – VIRGINIA BEACH – NOAA BUOY ESTABLISHMENT

The National Oceanic and Atmospheric Service (NOAA) has established a temporary scientific data buoy approximately one half of a nautical mile east of Dam Neck Fleet Training Center. The buoy is yellow and 3.5 feet in diameter, marked with a yellow light. The buoy will be discontinued on or about November 30, 2016.

Dam Neck Data Buoy A, approximate position 36-46-58.4N, 075-56-34.3W, ISO Y 2S

Chart 12207

LNM: 38/16

VA/NC – NORFOLK TO ALBEMARLE SOUND – VIA NORTH LANDING RIVER EMERGENCY BRIDGE OPERATING SCHEDULE

The S165 Bridge across the North Landing River, mile 20.2, at Chesapeake, VA has sustained damage and will not be capable of normal operation until 4 p.m. on October 14, 2016. The north span of the bridge is fully operational and the south span of the bridge is limited in operational capability. The north span of the bridge will open-to-navigation on the hour and half hour, upon request, from 6 a.m. to 7 p.m., and on demand from 7 p.m. to 6 a.m. The north span of the bridge will open-to-navigation and the south span of the bridge will partially open-to-navigation, upon request, for scheduled openings at 9:30 a.m. for vessels transiting southeast, 10:30 a.m. for vessels transiting northwest, and noon and 2 p.m. for two-way vessel traffic through the bridge; Monday through Friday through Monday, October 10, 2016. The north span of the bridge will open-to-navigation and the south span of the bridge will partially open-to-navigation, upon request, for scheduled openings at 9:30 a.m. for vessels transiting southeast and 10:30 a.m. for vessels transiting northwest; Saturday and Sunday through Sunday, October 9, 2016. The north span of the bridge will open-to-navigation and the south span of the bridge will partially open-to-navigation for additional openings from October 4, 2016 through October 10, 2016, if 48 hours notice is given. The south span of the bridge will be closed-to-navigation during bridge repair from 9 a.m., October 11, 2016, through 4 p.m., October 14, 2016. The horizontal clearance of the bridge with the south span closed-to-navigation is 38 feet and the horizontal clearance of the bridge with south span partially open-to-navigation is 70 feet. The north span of the bridge will open-to-navigation for emergencies. The vertical clearance of the bridge in the closed position is 6 feet above mean high water and vessels able to safely pass through the bridge in the closed position may do so, after receiving confirmation from the bridge tender that it is safe to transit through the bridge. Mariners should use extreme caution when transiting the area.

Chart 12206

LNM: 39/16

NC – SEACOAST – CAPE HATTERAS TO LITTLE RIVER INLET – TEMPORARY RESEARCH BUOY

On or about August 2, EcoH2O Innovations LLC will establish a research buoy approximately one nautical mile south southwest of the entrance to Masonboro Inlet and about 300 yards off the beach to be discontinued on or about 1 September 2016. The three-foot diameter buoy is white and blue with a slow flashing yellow light and is marked "SAROS."

Masonboro Island Research Buoy A FI Y 4S 34-09-56.2 N, 077-49-21.9 W

Chart 11520

LNM: 30/16

NC – CROATAN SOUND – BRIDGE MAINTENANCE

An engineering firm, on behalf of the NCDOT, has been performing maintenance at US 64/US 264 (William B. Umstead Memorial) Bridge over Croatan Sound, mile 2.0, in Mann's Harbor, NC. The maintenance has been conducted since May 24, 2016 and will continue through October 30, 2016; from 7 a.m. to 5 p.m.; Monday-Friday. Work to replace of the bridge fendering system is being performed. Two barges with several small floats will be in or the vicinity of the bridge. Maintenance personnel, equipment and vessels will relocate from the navigable channel, upon request. The project superintendent and work vessels may be reached on VHF-FM channel 13 or (910)-340-3666. Mariners should notify the project superintendent no less than one hour prior to navigation through the bridge and use caution when transiting the area.

Chart 12204

LNM: 40/16

NC - OREGON INLET CHANNEL - HERBERT C. BONNER BRIDGE CONSTRUCTION & REPLACEMENT

Construction activities for the replacement bridge began on March 7, 2016 and are expected to finish on August 30, 2019. Work will be on-going 24-hours per day, seven days a week. Detailed project information and information concerning waterway closures will be provided via updated local notice to mariners, broadcast notice to mariners and marine safety information bulletins. Tugs, crane barges, material barges, support vessels and crew boats will be operating or stationed in the vicinity of the existing and new bridge. Crane barges will be secured in place with four anchors connected by anchor wires to the corners of the barge. The anchor locations will be marked with yellow crown buoys within an approximate 500-ft radius of the crane barge. A work trestle/loading dock will be constructed approximately 200 yards south of the southeastern end of the existing Bonner Bridge, on the southwest side of South Point in Pamlico Sound, extending 150 feet southwesterly from the shoreline

NC - OREGON INLET CHANNEL - HERBERT C. BONNER BRIDGE CONSTRUCTION & REPLACEMENT

and terminate at approximately 35.766 N, 75.526 W. Running parallel to the dock will be a 245 foot breast-line comprised of eight 36-inch hollow pipe piles spaced fifty feet apart, to be used for mooring purposes. The breast-line will begin near shore and terminate at approximately 35.765N, 75.527 W. Each pile will be lit by a flashing white light. PCL Civil Constructors tugs and vessels will monitor VHF-FM channels 13 and 16 when work is in progress or vessels are operating in the area. The NCDOT Resident Engineer may be contacted at (252) 473-3637 and PCL Civil Constructors may be contacted at (252) 423-3093. Project information may be found at <http://www.ncdot.gov/projects/bonnerbridgereplace/>.

Chart 12205

LNM: 18/16

NC – NEUSE RIVER – TRENT RIVER – US70 ALFRED C. CUNNINGHAM BRIDGE

The U.S. 70 (Alfred C. Cunningham) Bridge over the Trent River, mile 0.0, at New Bern, NC will be maintained in the closed-to-navigation position from 6:30 a.m. to 9 a.m. on October 15, 2016 to accommodate the free and safe movement of pedestrians and vehicles during the 2016 Neuse River Bridge Run. At all other times, the drawbridge will operate in accordance with the operating regulation in 33 CFR 117.843(a). The vertical clearance of the bridge in the closed-to-navigation position is 14 feet above mean high water. Vessels able to pass through the bridge in the closed-to-navigation position may do so at anytime. Mariners should use caution when transiting the area.

Chart 11552

LNM: 39/16

NC – GALLANTS CHANNEL – BRIDGE CONSTRUCTION

Mariners are advised to take caution and proceed slowly when approaching the construction site of the New Gallant's Channel Fixed Bridge, over the Gallants Channel in Beaufort, North Carolina. To facilitate the process of girder raisings by Orion Marine Construction, commencing on the following dates and times construction cranes and barges will be in the channel: April 10 through April 16, 2016 from 7:00 am to 5:00 pm each day. All vessel traffic can expect delays and should adjust voyage plans accordingly. Vessels requiring greater than 25 feet horizontal clearance are recommended to use an alternate route until this phase of girder raisings are completed. Construction equipment will be removed from the channel each evening. The Orion Marine Construction onsite work supervisor can be contacted on VHF channel 13 and telephone at (813) 334-0208. Mariners are urged to transit the area at slow no wake speeds.

Chart 11545

LNM: 12/16

******NC – INTRACOASTAL WATERWAY – NEUSE RIVER TO MYRTLE GROVE SOUNDWRIGHTSVILLE BEACH – BRIDGE CLOSURE******

The S.R. 74 (Wrightsville Beach) Bridge across Atlantic Intracoastal Waterway (AIWW), mile 283.1, at Wrightsville Beach, NC and the Isabel S. Holmes Bridge, across Northeast Cape Fear River, mile 1.0, at Wilmington, NC, will remain in the closed-to-navigation position to facilitate the 2016 PPD IRONMAN "Beach2Battleship" Triathlon. The S.R. 74 (Wrightsville Beach) Bridge will remain in the closed position from 6:30 a.m. to 11 a.m. and the Isabel S. Holmes Bridge will remain in the closed position from 9:30 a.m. to 6 p.m., on October 22, 2016. Mariners able to pass through the closed spans of 20 feet and 40 feet, respectively, above mean high water, may do so at any time. All other mariners should adjust their transits, accordingly. Mariners should use caution when transiting the area.

Charts: 11537 11541

LNM: 41/16

NC - APPROACHES TO CAPE FEAR RIVER – FRYING PAN SHOAL - NOAA HYDROGRAPHIC SURVEY OPERATIONS

NOAA Ship Ferdinand R. Hassler (S-250) will be conducting hydrographic survey operations at the approach to Wilmington, NC, in the vicinity of Frying Pan Shoals from through 14 November 2016. Ferdinand R. Hassler is a 123-foot, white-hulled survey vessel; the ship has NOAA markings, can be identified on AIS, and will be monitoring VHF channels 13 and 16. Survey operations will be conducted 24-hours a day. Mariners are requested to exercise caution when transiting the operational area. There will be two modes of survey operations, which may happen simultaneously. Survey modes include; ship survey with or without towed sensors and surveys from a 28 foot launch. When towed hydrographic instrumentation is deployed, Ferdinand R. Hassler will be restricted in her ability to maneuver. Questions or concerns can be addressed to the ship's Field Operations Officer via phone at: (603) 812-8748 or email at: ops.ferdinand.hassler@noaa.gov

Chart 11536

LNM: 21/16

SECTION VIII - LIGHT LIST CORRECTIONS

An Asterisk *, indicates the column in which a correction has been made to new information

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
100	<i>Five Fathom Bank Northeast Lighted Bell Buoy 2FB</i>	38-58-12.411N 074-31-34.554W	FIR 4s		6	Red.	41/16
120	<i>Five Fathom Bank Lighted Buoy F</i>	38-46-49.000N 074-34-32.000W	FIY 2.5s		6	Yellow.	RACON: M (- -) 41/16
165	<i>Delaware Lighted Buoy D</i>	38-27-18.411N 074-41-46.593W	FIY 6s		6	Yellow.	RACON: K (- - -) 41/16

SECTION VIII - LIGHT LIST CORRECTIONS (Continued)

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
2115	<i>Rehoboth Bay Channel Lighted Buoy 9</i>	38-38-41.028N 075-06-25.223W	FI G 4s		4	Green.	41/16
18375	WHITESTONE POINT LIGHT	38-41-04.938N 077-07-23.345W	Iso W 6s	17	7	NW on white tower.	Obscured from 035° to 170°.
23410	<i>Goose Creek Channel Lighted Wreck Buoy WR6</i>	38-05-34.194N 075-51-35.545W	Q R		3	Red.	41/16
	Marks submerged pile.						
28146	Oregon Inlet Channel Daybeacon 43						Remove from list.
28170	Oregon Inlet Channel Daybeacon 46	35-46-37.860N 075-34-41.700W				TR on pile.	41/16
28173	Oregon Inlet Channel Daybeacon 47	35-46-44.160N 075-34-39.660W				SG on pile.	41/16
32195	BUXTON HARBOR APPROACH LIGHT 1B	35-18-31.077N 075-37-24.936W	FI G 2.5s	15	4	SG on pile.	41/16
33355	PAMLICO RIVER CHANNEL LIGHT 16	35-30-28.482N 077-01-13.341W	FIR 4s	15	4	TR on multi-pile structure.	41/16
	25 feet outside channel limit.						
34420	CEDAR ISLAND BAY CHANNEL LIGHT 8	34-59-31.704N 076-18-16.308W	FIR 2.5s	18	4	TR on pile.	41/16
38305	ADAMS CREEK LIGHT 4	34-57-24.895N 076-40-54.238W	Q R	15	3	TR-TY on pile.	41/16
38325	Adams Creek Daybeacon 6	34-56-50.529N 076-40-03.110W				TR-TY on pile.	41/16
38467	Russell Slough Daybeacon 6A	34-44-19.528N 076-40-24.044W				TR on pile.	41/16

PUBLICATION CORRECTIONS

None

ENCLOSURES

Enclosures

1. Summary of Shoaling.
2. Summary of Bridge Regulations/Construction/Permits.
3. Summary of Dredging and Construction.
4. Summary of Marine Events.
5. Summary of Coast Guard Sector North Carolina shoaling/waterway projects.
6. Summary of Coast Guard Sector Hampton Roads shoaling/waterway projects.
7. Maryland Offshore Survey Activities.
8. MAREA MEC Survey.

SUMMARY OF SHOALING REPORTED IN THE FIFTH COAST GUARD DISTRICT

DELAWARE SHOALING

DE- INDIAN RIVER BAY – SHOALING (Chart 12216)

There has been a report of shoaling in Indian River Bay between Indian River Inlet Buoy 19 (LLNR 4435) and Middle Island West Channel Junction Lighted Buoy MI (LLNR 4436). Depths of 0.0 ft at times, during low tide, were reported.

NEW JERSEY SHOALING

NJ - INTRACOASTAL WATERWAY- SANDY HOOK TO LITTLE EGG HARBOR - MANASQUAN - ATLANTIC CITY (Chart 12312)

There has been a report of shoaling in the New Jersey Intracoastal Waterway within the channel boundaries in the vicinity of New Jersey Intracoastal Waterway Light 40 (LLNR 35125), to a depth of less than 4 feet 9 inches at mean low water. Ref LNM 05/16

NJ - INTRACOASTAL WATERWAY- LITTLE EGG HARBOR – CAPE MAY - MANASQUAN - ATLANTIC CITY (Chart 12316)

Shoaling has been reported in the NJ Intracoastal Waterway (NJ-ICW) between NJ-ICW Day beacon 159 (LLNR 35640) and NJ-ICW Buoy 161 (LLNR 35649).

PENNSYLVANIA SHOALING

MARYLAND SHOALING

MD – CHESAPEAKE BAY- CHESTER RIVER – KENT ISLAND NARROWS NORTH APPROACH (Chart 12272)

Shoaling has been reported in Kent Island Narrows North Approach Channel. Depths less of less than 4 feet have been reported between Kent Island Narrows North Approach LT 4 (LLNR-26425) and Kent Island Narrows North Approach LT 6 (LLNR-26435) on the red side of the channel. Vessels transiting the Kent Island Narrows North Approach Channel should exercise caution. Ref LNM 05/16

MD - CHESAPEAKE BAY - TANGIER SOUND - NORTHERN PART - RHODES POINT GUT CHANNEL (Chart 12228)

There has been a report of shoaling in Rhodes Point gut channel within the channel boundaries between Rhodes Point Gut Channel Buoy 3 (LLNR 23000) and Rhodes Point Gut Channel Buoy 5 (LLNR 23005), to a depth of less than six feet at mean low water. Depth is reading approx one and a half feet. Ref MD BNM 278-16

MD - FENWICK ISLAND TO CHINCOTEAGUE INLET - SINEPUXENT BAY – SHOALING (Chart 12211)

Shoaling has been found in Sinepuxent Bay Channel in the following locations: Sinepuxent Bay Channel Daybeacon 11B (LLNR 5050), shoaling encroaches approximately 20 yds into the channel in a southwesterly direction. Water depths have been found as low as 2.5 ft during low tide. Between Sinepuxent Bay Channel Light 8 (LLNR 5020) and Sinepuxent Bay Channel Daybeacon 10 (LLNR 5035), shoaling encroaches approximately 15 yds into the channel in an easterly direction. Water depths have been found as low as 2 ft during low tide. Between Sinepuxent Bay Channel Buoy 33 (LLNR 5130) and Sinepuxent Bay Channel Daybeacon 35 (LLNR 5135) on the eastern side of the channel. Water depths have been found as low as 3 ft during low tide.

VIRGINIA SHOALING

VA – NANDUA CREEK (Chart 12226)

Shoaling has been reported at the entrance to Nandua Creek to 2 feet. HR BNM 311-13

VA – VIRGINIA INSIDE PASSAGE (VIP) (Chart 12210, 12224)

VIP Day beacon 107 (LLNR 5950) to VIP Day beacon 265 (LLNR 6580), Shoaling to less than 6ft MLW. HR BNM 106-16
Quinby Creek Day beacon 7 (LLNR 6770) to Quinby Creek Light 13 (LLNR 6785), Shoaling to less than 6 ft MLW. HR BNM 104-16
VIP Day beacon 244 (LLNR 6485), Shoaling to 1 foot. HR BNM 272-14
Sand Shoal Channel Light 1 (LLNR 6990) to Sand Shoal Light 10 (LLNR 6996) LNM 24-13
Oyster Creek Channel Junction Lighted Buoy OC (LLNR 7002/6447) to Oyster Creek Light 10 LLNR 7025), Shoaling to less than 6ft MLW. HR BNM 107-16

VA – CHESAPEAKE BAY – RAPPAHANNOCK RIVER ENTRANCE – URBANNA CREEK (Chart 12235)

Shoaling has been reported to less than 2 feet at MLW in Urbanna Creek between Urbanna Creek Light 5 (LLNR 15253) and Day beacon 7 (LLNR 15260). HR BNM 549-15

VA – CHESAPEAKE BAY – RAPPAHANNOCK RIVER ENTRANCE – MILFORD HAVEN (Chart 12235)

Shoaling has been reported to less than 1 foot at MLW in vicinity of Milford Haven Channel Light 3 (LLNR 14770) extending 100 yards east of Day beacon 3A (LLNR 14775). HR BNM 573-15

VA – CHESAPEAKE BAY – RAPPAHANNOCK RIVER ENTRANCE - MILFORD HAVEN EAST (Chart 12235)

Shoaling has been reported to 3 feet between Milford Haven East Light 6 (LLNR 14593) and Milford Haven East Light 9 (LLNR 14605). HR BNM 030-15

VA – CHESAPEAKE BAY - MATTAWOMAN CREEK – SHOALING (Chart 12226)

Shoaling has been Reported to a depth of 2-3ft at mean low water in the channel of Mattawoman Creek between Mattawoman Creek Light 1MC (LLNR 21580) and Mattawoman Creek Light 2 (LLNR 21585). Mariners are advised to transit the area with caution.

VA – CHESAPEAKE BAY – MOBJACK BAY AND YORK RIVER ENTRANCE - HORN HARBOR (Chart 12238)

Shoaling has been reported to 1-2 feet one hour before low tide extending 50 yards channel ward from Horn Harbor Lighted Buoy 8 (LLNR 14487). HR BNM 182-15

VA – CHESAPEAKE BAY – YORKTOWN TO WEST POINT - QUEEN CREEK (Chart 12243)

Shoaling to less the 3 feet has been reported in Queen Creek from Queen Creek Entrance Light 2QC (LLNR 13785) to Queen Creek Day beacon 10 (LLNR 13820). HR BNM 170-14

VA – HAMPTON ROADS - WILLOUGHBY BAY (Chart 12245)

The USACE has reported shoaling in Willoughby Channel to 2.6 feet MLLW in the vicinity of Willoughby Channel Buoy 3 (LLNR 10583).

VA – CHESAPEAKE BAY – LYNNHAVEN INLET – LONG CREEK CHANNEL (Chart 12254)

Shoaling to 2.4 feet has been reported in Long Creek Channel east of Long Creek Channel Day beacon 7 (LLNR 10167) in the vicinity of Pleasure House Point. HR BNM 293-14

VA – RUDEE INLET CHANNEL – SHOALING

The City of Virginia Beach Survey of Rudee Inlet, dated September 16, 2016 indicates shoaling across the channel from approximately 40 feet east of the east ends of the jetties extending out eastward approximately 175 feet. Least depths range from 7.6' to 10' MLLW.

Chart 12205, 12207, 12208, 12221

NORTH CAROLINA SHOALING

NC – PAMLICO SOUND BRANT ISLAND SHOAL – SHOALING (Chart 11548)

Shoaling to 3 feet has been reported in the area of the southeast tip of the charted shoal in the vicinity of Brant Island Slue in approximate position 35-10.45N,076-23.05W.

NC – EMERALD ISLE – SWANSBORO COAST GUARD CHANNEL (Chart 11541)

Shoaling has been reported to 2.6' in the vicinity of Swansboro Coast Guard Channel Buoy 3A (LLNR 29608) and Swansboro Coast Guard Channel Light 5 (LLNR 29645). NC BNM 219-13

NC – ICW - NEUSE RIVER TO MYRTLE GROVE SOUND - NEW RIVER – CAPE FEAR RIVER (Chart 11541)

Shoaling to 2.6 feet has been reported in the vicinity of New River- Cape Fear River Buoy 99A (LLNR 39548). NC BNM 048-15

NC - NEUSE RIVER TO MYRTLE GROVE SOUND – BOGUE INLET (Chart 11541)

Shoaling to 4.5 feet has been reported in the vicinity of Bogue Inlet Lighted Buoy 1 (LLNR 29495), and Bogue Inlet Buoys 2 and 3 (LLNR 29500 and 29505). NC BNM 255-14

NC – NEUSE RIVER TO MYRTLE GROVE SOUND - NEW RIVER – NEW RIVER INLET (Chart 11542)

Shoaling has been reported to 2 feet in New River Inlet Channel. NC BNM 003-15

NC – CURRITUCK BEACH LIGHT TO WIMBLE SHOALS – OREGON INLET (Chart 12204)

Shoaling has been reported to 2 feet in Oregon Inlet Channel near the Bonner Bridge. NC BNM 642-14

NC – NEUSE RIVER TO MYRTLE GROVE – BANKS SLOUGH CHANNEL (Chart 11541)

Shoaling has been reported to 0.5 feet in Banks Slough Channel. NC BNM 658-14

NC – CAPE HATTERAS – HATTERAS INLET (Chart 11555)

Shoaling has been reported to 3.5 feet in Hatteras Inlet between Hatteras Inlet Channel Buoy 9 (LLNR 28669) and Hatteras Inlet Channel Buoy 12C (LLNR 28733.2). NC BNM 028-15, LNM 06-15

NC – CAPE HATTERAS – SOUTH FERRY TERMINAL – SHOALING (Chart 11555)

Shoaling has been reported to 2.6 feet in South Ferry terminal between South Ferry Terminal Lighted Buoy 1SF (LLNR 28699.1) and South Ferry terminal Light 7 (LLNR 28715). NC BNM 031-16, 069-16

NC – ICW - NEUSE RIVER TO MYRTLE GROVE SOUND – BOGUE SOUND - NEW RIVER (Chart 11541)

Shoaling to 3 feet has been reported in the vicinity of Bogue Sound - New River buoys 72A (LLNR 39300), 72B (LLNR 39303) and 74 (LLNR 39305). LNM 06-15

NC – CAPE HATTERAS – HATTERAS INLET (Chart 11555)

Shoaling has been reported to 5 feet in vicinity of Hatteras Inlet Channel Lighted Buoy 13A (LLNR 28735.3) and Hatteras Inlet Lighted Buoy 14 (LLNR 28735.6). NC BNM 340-15

NC – ICW - NEUSE RIVER TO MYRTLE GROVE - RUSSELL SLOUGH (Chart 11541)

Shoaling has been reported to 1 foot in vicinity of Russell Slough Day beacon 6A (LLNR 38467) NC BNM 344-15

NC – CAPE HATTERAS – HATTERAS INLET – SOUTH FERRY TERMINAL

Shoaling has been reported to 2.6 feet in South Ferry terminal between South Ferry Terminal Lighted Buoy 1SF (LLNR 28699.1) and South Ferry terminal Light 7 (LLNR 28715). NC BNM 031-16, 069-16

NC – NEUSE RIVER TO MYRTLE GROVE SOUND – CAROLINA BEACH INLET (Chart 11541)

Shoaling to 2.6 feet has been reported in Carolina Beach Inlet from Carolina Beach Inlet Buoy 1 (LLNR 30265) to buoy 6 (LLNR 30290). NC BNM 659-15, 206-16

NC – OCRACOE INLET AND NORTHERN CORE SOUND – OCRACOE INLET – BIG FOOT SLOUGH (Chart 11541)

Shoaling has been reported in Big Foot Slough between Big Foot Slough Day beacon 10A (LLNR 29070) and Buoy 11 (LLNR 29070.3) NC BNM 657-15

NC - MOREHEAD CITY (Chart 11547)

Shoaling has been reported to 10 feet between Buoys 16 – 17 and to 17 feet between buoys 13 and 15. NC BNM 036-16

NC - NEUSE RIVER TO MYRTLE GROVE SOUND – NEW RIVER TO CAPE FEAR RIVER (Chart 11541)

An area of shoaling has been reported IVO of New River – Cape Fear River Buoy 121 (LLNR 39597) in the AICWW St M 280 near Mason Inlet Crossing. ACOE reported a depth of 2.2ft at MLW. Mariners are urged to use caution when transiting this area. NC BNM 357-16

NC – INTRACOASTAL WATERWAY - MYRTLE GROVE SOUND TO LITTLE RIVER (Chart 11534)

Shoaling to 1 foot has been reported in the vicinity of Lockwoods Folly Inlet at Cape Fear River – Littler River Buoy 47 (LLNR 40225) NC BNM 256-16

SUMMARY OF BRIDGE PERMITS, REGULATIONS AND CONSTRUCTION IN THE FIFTH COAST GUARD DISTRICT

(Yellow indicates new item)

CURRENT PROJECTS

Permits:

SECTOR MARYLAND-NATIONAL CAPITAL REGION

- **Maryland –**
Potomac River - Harry Nice Memorial Bridge - MDTA is proposing to replace the bridge with a bridge at a reduced vertical of 106.5 feet above mean high water and a horizontal clearance of 250. The reduction in width would not prohibit any vessel recorded in the past five years from passing and is not anticipated to restrict future vessel traffic. MDTA proposes the design change will help improve traffic conditions in the area. Comments should be address listed on the Public Notice attention (dpb) no later than October 6, 2016. Copies of Preliminary Public Notice 5-1365 which describes the proposal in detail can be obtained by calling (757) 398-6227 or by viewing at <http://www.navcen.uscg.gov/?pageName=pnBridges>.
- **Washington DC**
Anacostia River – Frederick Douglass Memorial/South Capitol Street (swing) Bridge – District of Columbia Department of Transportation is proposing to replace the existing drawbridge with a new fixed bridge at essentially the same location. The replacement project will modify the existing vertical and horizontal clearance of the bridge. Presently, in the closed position to vessels, the charted vertical clearance of the existing swing-type bridge is 40 feet above MHW, with unlimited vertical clearance in the full open position. The existing horizontal clearance is two channels of 149 feet each. The proposed replacement will be a fixed bridge that will provide a vertical clearance of 42 feet above MHW with a proposed horizontal clearance of 150 feet.
- **Virginia (Northern)**
Potomac River - Harry Nice Memorial Bridge - MDTA is proposing to replace the bridge with a bridge at a reduced vertical of 106.5 feet above mean high water and a horizontal clearance of 250. The reduction in width would not prohibit any vessel recorded in the past five years from passing and is not anticipated to restrict future vessel traffic. MDTA proposes the design change will help improve traffic conditions in the area. Comments should be address listed on the Public Notice attention (dpb) no later than October 6, 2016. Copies of Preliminary Public Notice 5-1365 which describes the proposal in detail can be obtained by calling (757) 398-6227 or by viewing at <http://www.navcen.uscg.gov/?pageName=pnBridges>.

SECTOR DELAWARE BAY

- **Delaware** - None
- **New Jersey (Central & Southern)**
Raccoon Creek – US 130 (fixed) Bridge - proposed new fixed bridge structure to replace (lift) bridge. Permit 2-15-5 signed December 9, 2015.
- **Pennsylvania** - None

SECTOR HAMPTON ROADS

- **Virginia (Southern)**
AICW – Elizabeth River Southern Branch – I-64/High Rise Bridge – VDOT has proposed to replace the existing drawbridge with a new fixed bridge at essentially the same location. The replacement project will modify the existing vertical clearance of the bridge. The charted vertical clearance of the existing bascule bridge in the closed-to-navigation position is 65 feet above MHW with unlimited vertical clearance in the full open position. The proposed replacement will be a fixed bridge that will provide a vertical clearance of 100 feet above MHW. The current horizontal clearance of 125 feet will be maintained for the new fixed bridge.

SECTOR NORTH CAROLINA

- **North Carolina**
Atlantic Intracoastal Waterway – NC 210/50 Bridge, Surf City, NC - proposed new fixed bridge structure to replace (swing) bridge. Permit 2-16-5 signed September 27, 2016.

Regulations:

SECTOR MARYLAND-NATIONAL CAPITAL REGION

- **Washington, DC & Virginia (Northern)** – None

SECTOR DELAWARE BAY

- **Delaware** – None
- **New Jersey (Central & Southern)**
NJICW – Barnegat Bay – SR37 (vertical-lift) Bridge – The CG is temporarily modifying the drawbridge operating schedule between December 1, 2015 and March 31, 2018. Over the span of two and half years, the drawbridge will be closed to navigation for three four-month closure periods in the winter months. Extensive replacement of parts and repairs to the bridge necessitate these closures.

- **Pennsylvania** – None

SECTOR HAMPTON ROADS

- **Virginia (Southern)** - None

SECTOR NORTH CAROLINA

- **North Carolina** - None

Construction, et al:

SECTOR MARYLAND-NATIONAL CAPITAL REGION

- **Maryland**
Susquehanna River – US 40 & I-95/Hayden & Tydings (fixed) Bridges – Foundation and substructure repairs are in progress through 2016.
Susquehanna River – I-95 Millard E Tydings Memorial (fixed) Bridge – Cleaning, painting, and repairs are in progress

through August 2017. During daylight hours Monday through Saturday a barge and crew boat will be working in various locations near the structure and a debris shield will be secured to the lower truss member throughout the bridge but will not affect navigational clearances.

Curtis Creek – I-695 Baltimore Beltway (fixed portions) Bridge – Painting work is scheduled to continue through the fall of 2016. To facilitate the work, a platform will reduce the available vertical clearance outside the channel to 49 feet above MHW.

Choptank River - MD 331/Dover (fixed) Bridge – Construction activities begun on September 16, 2014 and are expected to finish in November 2018. Detailed project information and information concerning the waterway closures will be provided via updated local notice to mariners, broadcast notice to mariners and marine safety information bulletins. Tugs, crane barges, and vessels are operating or stationed in the vicinity of the existing and new bridge. McLean Contracting Company's tugs and vessels are monitoring VHF-FM channel 13 when work is in progress or vessels are operating in the area. The MDSHA project engineer may be contacted at (816) 989-4019 and McLean Contracting Site Supervisor may be contacted at (443) 980-7633. Mariners should use extreme caution when transiting the area. Project Information may be found at: <http://apps.roads.maryland.gov/WebProjectLifeCycle/ProjectSchedule.aspx?projectno=TA392515>

Chester River - S213 (MD 213) Bridge – Bridge will remain in the closed-to-navigation position and the navigational span will be closed to facilitate painting of the bridge. The bridge will remain in the closed position from 8 p.m. September 6, 2016 through 6 a.m. on October 30, 2016. The bridge will not be able to open for emergencies. The bridge will open for vessels on signal during the closure period, if at least 24 hours notice is given. Mariners should use extreme caution when transiting the area.

Chesapeake Bay - US 50 (William Preston Lane, Jr. Memorial Bridge) - An access platform and staircase will be installed on the westbound structure at pier 31 on the north side. The installation of the access platform will occur between August 29, 2016 to October 29, 2016; from 6 a.m. to 4 p.m. A tug and barge will be in and around the vicinity of the bridge during the installation process. Once the access platform is installed, the work party will be transported to and from the scene by a 26' vessel. The vessel will remain on-scene while work is being conducted to serve as a safety platform for the work party. The access platform will be marked at each corner at night with a red light to alert mariners of the structure attached to the pier. A subsequent broadcast notice to mariners will be issued later, on or about October 31, 2016 to inform mariners when the platform is removed. The project foreman can be reached at (410) 375-7121. Mariners are urged to use caution when transiting the area.

- **Washington DC –**
Potomac River - Francis Scott Key (fixed) Bridge - DDOT has completed a design for rehabilitation. This work commenced in May 2015 and is scheduled to continue for two years (OOA May 2017). Most of the work has to do with repairing cracks on the concrete arches, floor beams, piers and abutments, and repairing some deterioration of the underside of the bridge deck.

Potomac River – Washington DC Long Bridge – Maintenance will be performed on the bridge between March 10, 2016 and March 28, 2017. There is no pier work or work over the navigational channel. Mariners should use extreme caution when transiting the area.

Virginia (Northern) - None

SECTOR DELAWARE BAY

- **Delaware** - None
- **New Jersey (Central & Southern)**

Delaware River – Commodore Barry (fixed) Bridge – To facilitate painting, work will continue until 2019. Work platforms will be installed 3 feet beneath the bridge in various locations reducing the vertical clearance to 178 ft. above mean high water at the edge of the navigable channel (187 ft. center of channel). Phase 1 – NJ approach girder and deck truss spans due completion in September 2016. Phase 2 – PA approach girder and deck truss spans, scheduled to commence fall of 2016. Phase 3 – Cantilever truss span, scheduled to commence in 2017 and conclude in 2019. Mariners should exercise caution.

Drag Channel & Great Egg Harbor Bay (GEHB) – Garden State Parkway (fixed) Bridges - Marine work consisting of several activities including but not limited to temporary cofferdam construction, superstructure erection and demolition are in progress through December 2018 for the replacement of the existing southbound bridges and rehabilitation of the northbound bridges. In addition to replacing the southbound causeway, the project includes the demolition of the remaining portions of the Beesely's Point Bridge (US Route 9 over GEHB and Drag Channel). Daily hours of construction operations are Monday through Saturday from 7 a.m. to 5 p.m. with a second shift and 24-hour operations scheduled for specific activities. It is anticipated that closure or reduced horizontal clearance of the navigational channels will be required.

Delaware River - Interstate 276/Delaware River Turnpike Bridge - Repainting and miscellaneous improvements will be performed from mid-November 2015 through December 31, 2017. All work on the bridge superstructure will be performed 7 am to 7 pm during the week and 6 am to 6 pm on the weekends. The overhead work will never occupy more than 55% of the channel and will reduce the vertical clearance by 5 ft. The construction company can be contacted at 856-429-3400. Mariners should use extreme caution when transiting the area.

Tuckahoe River - Route 50/State Highway Bridge - Mariners are advised of continued demolition work. The next stage of demolition work will include removal of the bridge superstructure, abutment walls, fender system and the bascule piers from 7:00 a.m. to 3:30 Monday through Friday, from September 2016 through January 2017. Mariners should adjust their transits accordingly.

Delaware River - I-276 (Delaware River Turnpike) Bridge - Bridge maintenance will be conducted between August 9, 2016 and October 15, 2016; M-F; from 7 a.m. to 3:30 p.m. Repairs to the bridge fender system and pier structure will occur. A crane barge and a 25 ft. work boat will be in and around the vicinity of the bridge. Maintenance personnel, equipment and vessels will be working outside the navigable channel. The work vessels may be reached on VHF-FM channel 13. The project foreman can be reached at (856) 207-3005 and VHF-FM channel 13. Mariners should use caution when transiting the area.

Shark River - SR 35 Bridge - Inspection will be conducted between August 8, 2016 and November 30, 2016; M-F; from 8 a.m. to 6 p.m. A snooper truck will be operating under and in the vicinity of the bridge to provide access for inspection. Inspection personnel, equipment and vessels will relocate from the navigable channel, upon request. The vessel may be reached on VHF-FM channel 13. The project foreman can be reached at (201) 214-7242. Mariners are requested to notify the project foreman at least thirty minutes prior to navigation through the area and should use caution when transiting the area.

Grassy Sound Channel - SR 147 Bridge - Inspection will be conducted between August 8, 2016 and November 30, 2016; M-F; from 8 a.m. to 6 p.m. A snooper truck, two work vessels and a dive team will be operating under and in the vicinity of the bridge to provide access for inspection. Inspection personnel, equipment and vessels will relocate from the navigable channel, upon request. The work vessel may be reached on VHF-FM channel 13. The project foreman can be reached at (201) 214-7242. Mariners are requested to notify the project foreman at least thirty minutes prior to navigation through the area and should use caution when transiting the area.

- **Pennsylvania –**

Delaware River – Walt Whitman Bridge (I-76) - Painting of the suspension spans and towers will be conducted from October 19, 2015 to March 31, 2018, between 7 a.m. and 5 p.m. daily. A work platform extending 3 feet beneath the lower portion of the bridge will be installed over the entire length of the bridge. The vertical clearance of the bridge will be reduced by 3 feet to approximately 136 feet above MHW. Mariners should use caution when transiting the area.

Delaware River - Interstate 276/Delaware River Turnpike Bridge - Repainting and miscellaneous improvements will be performed from mid-November 2015 through December 31, 2017. All work on the bridge superstructure will be performed 7 am to 7 pm during the week and 6 am to 6 pm on the weekends. The overhead work will never occupy more than 55% of the channel and will reduce the vertical clearance by 5 ft. The construction company can be contacted at 856-429-3400. Mariners should use extreme caution when transiting the area.

Delaware River - I-276 (Delaware River Turnpike) Bridge - Bridge maintenance will be conducted between August 9, 2016 and October 15, 2016; M-F; from 7 a.m. to 3:30 p.m. Repairs to the bridge fender system and pier structure will occur. A crane barge and a 25 ft. work boat will be in and around the vicinity of the bridge. Maintenance personnel, equipment and vessels will be working outside the navigable channel. The work vessels may be reached on VHF-FM channel 13. The project foreman can be reached at (856) 207-3005 and VHF-FM channel 13. Mariners should use caution when transiting the area.

SECTOR HAMPTON ROADS

- **Virginia (Southern)**

AICW – Elizabeth River Southern Branch – Dominion Blvd Replacement (fixed) Bridge Project – Contractors have installed the permanent beam and construction continues through March 2017. The fixed height is at 95 feet above MHW. The old steel (basculer) bridge spans have been completely removed.

Lynnhaven Inlet – US 60/John A. Lesner (fixed) Bridge – Work is in progress through June 2017 for a new replacement bridge at essentially the same location. The new bridge will have a vertical clearance of 45 feet above MHW, along with a horizontal clearance of 150 feet between face of the fenders. A dredge material placement site will be located southwest of the existing bridge, adjacent to the boat ramp facility and used as a staging area. The contractor will access the lay down and staging area via the waterway through a proposed temporary bulkhead.

North Landing River - S165 Bridge – Bridge has sustained damage and will not be capable of normal operation until 4 p.m. on October 14, 2016. The north span of the bridge will open-to-navigation on the hour and half hour, upon request, from 6 a.m. to 7 p.m., and on demand from 7 p.m. to 6 a.m. The north span of the bridge will open-to-navigation and the south span of the bridge will partially open-to-navigation, upon request, for scheduled openings at 9:30 a.m. for vessels transiting southeast, 10:30 a.m. for vessels transiting northwest, and noon and 2 p.m. for two-way vessel traffic through the bridge; Monday through Friday through Monday, October 10, 2016. The north span of the bridge will open-to-navigation and the south span of the bridge will partially open-to-navigation, upon request, for scheduled openings at 9:30 a.m. for vessels transiting southeast and 10:30 a.m. for vessels transiting northwest; Saturday and Sunday through Sunday, October 9, 2016. The north span of the bridge will open-to-navigation and the south span of the bridge will partially open-to-navigation for additional openings from October 4, 2016 through October 10, 2016, if 48 hours notice is given. The south span of the bridge will be closed-to-navigation during bridge repair from 9 a.m., October 11, 2016, through 4 p.m., October 14, 2016. The horizontal clearance of the bridge with the south span closed-to-navigation is 38 feet and the horizontal clearance of the bridge with south span partially open-to-navigation is 70 feet. The north span of the bridge will open-to-navigation for emergencies. The vertical clearance of the bridge in the closed position is 6 feet above mean high water and vessels able to safely pass through the bridge in the closed position may do so, after receiving confirmation from the bridge tender that it is safe to transit through the bridge. Mariners should use extreme caution when transiting the area.

Diascund Creek - Newport News Waterworks Pipeline bridge – Bridge maintenance will be conducted between July 1, 2016 and January 30, 2017; Monday-Friday; from 7 a.m. to 5 p.m. Repair and rehabilitation of the bridge will occur. A barge and work boats will be in and around the vicinity of the bridge. Maintenance personnel, equipment and vessels will relocate from the navigable channel, upon request. Work vessels may be reached on VHF-FM channel 13. The project foreman can be reached at (757) 621-4930 or (757) 621-4932. Mariners should notify the work foreman no less than thirty minutes prior to navigating through the area and should use caution when transiting the area.

James River - SR 156 (Benjamin Harrison Memorial) Bridge - Maintenance will be conducted July 18, 2016 through February 28, 2017; Monday-Friday; from 9 a.m. to 4 p.m. and from 8 p.m. to 6 a.m. Maintenance personnel, equipment will relocate from the moveable span, upon request. The project foreman can be reached at (813) 613-4324 and VHF-FM channel 13. The bridge will have operating restrictions between July and September 2016 that will be published in a separate notice. Mariners should use caution when transiting the area.

James River - SR 156 (Benjamin Harrison Memorial) Bridge - The bridge will remain in the closed position from 8 p.m. to 6 a.m.; Monday-Friday; October 3, 2016 through October 28, 2016. Mariners able to pass under the bridge in the closed position, (50 feet above Mean High Water) may do so, and all others should adjust their transits accordingly. The bridge will open for vessels on signal during scheduled closure period, if at least 10 hours notice is given. The bridge will be able to

open for emergencies during scheduled closure periods, if at least 30 minutes notice is given. The project foreman can be reached at (813) 616-4324 and VHF-FM channel 13. Mariners should use caution when transiting the area.

Carter Creek - SR 3 (Route 200) bridge -Maintenance will be conducted September 19, 2016 through May 3, 2017; 24 hours a day; 7 days a week. The vertical clearance of the bridge will be reduced to approximately 17 feet above mean high water. A work platform will be attached to the underside of the bridge. Quick flashing red lights will be positioned to mark the bottom of the work platform used under the bridge. Legible signs will be erected on the existing fender system for awareness of reduced vertical clearance. Maintenance personnel, equipment will not be able to relocate from the navigable channel, upon request. The project foremen can be reached at (410) 299-0586 or (410) 913-4028 and may be reached on VHF-FM channel 13. Mariners should use caution when transiting the area.

Rappahannock River - US 360 (Downing Bridge) bridge - Maintenance will be conducted September 19, 2016 through May 3, 2017; 24 hours a day; 7 days a week. The vertical clearance of the bridge will be reduced to approximately 47 feet above mean high water. A work platform will be attached to the underside of the bridge. Quick flashing red lights will be positioned to mark the bottom of the work platform used under the bridge. Legible signs will be erected on the existing fender system for awareness of reduced vertical clearance. Maintenance personnel, equipment will not be able to relocate from the navigable channel, upon request. The project foremen can be reached at (410) 299-0586 or (410) 913-4028 and may be reached on VHF-FM channel 13. Mariners should use caution when transiting the area.

Rappahannock River - SR 3 (Robert O. Norris Jr.) bridge - Maintenance will be conducted between October 3, 2016 through November 2017; 24 hours a day; 7 days a week. A containment system will be installed over the entire length of the bridge extending 4 feet below low steel. The vertical clearance of the bridge will be reduced by 4 feet, to approximately 106 feet above mean high water. A work platform will be attached to the bridge. Maintenance personnel, equipment, two barges and work vessels will be in the vicinity of the bridge. Quick flashing red lights will be positioned no more than 10 feet apart and on all corners, to mark the bottom of the work platform used attached to the bridge. Legible signs will be erected on the existing fender system to bring awareness regarding the reduced clearance. Work vessels may be reached on VHF-FM channel 13. The project foreman can be reached at (804) 577-0049 or (216) 235-3933. Mariners should use caution when transiting the area.

SECTOR NORTH CAROLINA

- **North Carolina**

Gallants (Beaufort) Channel – US 70/Grayden Paul (fixed) Bridge – Work is in progress through May 31, 2017 for construction of a high-level fixed bridge relocated between Radio Island and Michael J Field in Carteret County. When completed, the new high-level fixed bridge will have a vertical clearance of 65 feet above MWH, along with a horizontal clearance of 100 feet between pile bents. The construction operation will include in-water work involving pile driving, concrete placement, girder setting, and concrete deck installation with post tensioning. Tugboats and barges will be used and will monitor VHF channel 13 in the event that mariners need to contact the contractor. Waterway closures are being planned.

Cape Fear River – Wilmington Bypass (fixed) Bridge – Construction of new highway bridge in Brunswick and New Hanover Counties, NC. When completed, the Cape Fear River Bridge will have a vertical clearance of 64 feet at mean high water and a horizontal clearance of 160 feet. Work barges and structures will be located along the sides of the waterway through December 2016. The channel shall remain open to navigation.

Oregon Inlet - Herbert C. Bonner Bridge – Construction activities for the replacement bridge will begin on March 7, 2016 and are expected to finish on August 30, 2019. Work will be on-going 24-hours per day, seven days a week. Detailed project information and information concerning waterway closures will be provided via updated local notice to mariners, broadcast notice to mariners and marine safety information bulletins. Tugs, crane barges, material barges, support vessels and crew boats will be operating or stationed in the vicinity of the existing and new bridge. A work trestle/loading dock will be constructed approximately 200 yards south of the southeastern end of the existing Bonner Bridge, on the southwest side of South Point in Pamlico Sound, extending 150 feet southwesterly from the shoreline and terminate at approximately 35.766 N, 75.526 W. Running parallel to the dock will be a 245 foot breast-line comprised of eight 36-inch hollow pipe piles spaced fifty feet apart, to be used for mooring purposes. The breast-line will begin near shore and terminate at approximately 35.765N, 75.527 W. Each pile will be lit by a flashing white light. PCL Civil Constructors tugs and vessels will monitor VHF-FM channels 13 and 16 when work is in progress or vessels are operating in the area. The NCDOT Resident Engineer may be contacted at (252) 473-3637 and PCL Civil Constructors may be contacted at (252) 423-3093. Project information may be found at <http://www.ncdot.gov/projects/bonnerbridgereplace/>.

Croatan Sound - US 64/US 264 (William B. Umstead Memorial) Bridge - Maintenance will be conducted between May 24, 2016, and October 30, 2016; Monday-Friday; from 7 a.m. to 5 p.m. Replacement of the bridge fender system will occur. Two barges with several small floats will be in or the vicinity of the bridge. Maintenance personnel, equipment and vessels will relocate from the navigable channel, upon request. The project superintendent and work vessels may be reached on VHF-FM channel 13 or (910)-340-3666. Mariners should notify the project superintendent no less than one hour prior to navigation through the bridge and use caution when transiting the area.

Atlantic Intracoastal Waterway (AIWW) and Northeast Cape Fear River - S.R. 74 (Wrightsville Beach) Bridge and Isabel S. Holmes Bridge – Bridges will remain in the closed-to-navigation position to facilitate the 2016 PPD IRONMAN "Beach2Battleship" Triathlon. The S.R. 74 (Wrightsville Beach) Bridge will remain in the closed position from 6:30 a.m. to 11 a.m. and the Isabel S. Holmes Bridge will remain in the closed position from 9:30 a.m. to 6 p.m., on October 22, 2016. Mariners able to pass through the closed spans of 20 feet and 40 feet, respectively, above mean high water, may do so at any time. All other mariners should adjust their transits, accordingly. Mariners should use caution when transiting the area.

FUTURE PROJECTS:

Permits/Construction:

- **Maryland**

Potomac River - Theodore Roosevelt (fixed) Bridge - DDOT is conducting an investigation and assessment of the bridge, which will be completed winter of 2015. They'll assess structural condition, needs for extended life cycle, and safety compliance improvements. Then will do a design analysis of alternatives with construction in the future (no date given).

- **Washington, DC –**

Anacostia River – 11th Street Bridge Park – Proposed fixed pedestrian bridge park to be built on retained substructure of old 11th Street Bridge.

- **Virginia (Northern)** - None
- **Delaware** – None
- **New Jersey (Central & Southern)** – None
- **Pennsylvania** – None
- **Virginia (Southern)** – None
- **North Carolina**

Mid-Currituck Sound (fixed) Bridge – Proposed new fixed structure in final review of the design.

Perquimans River – US 17 business (fixed) Bridge – Proposed new fixed bridge structure to replace (swing) bridge in final review of the design and environmental package.

Alligator River – US 64 (fixed) Bridge Proposed new fixed bridge structure to replace (swing) bridge in final review of the design and environmental package.

Cape Fear River – Wilmington bypass south (fixed) Bridge Proposed new fixed bridge structure in review of the design and environmental package.

Straits Waterway - Harkers Island Bridge – Proposed new fixed bridge structure to replace existing swing span bridge (Bridge No. 73).

Regulations:

- **Maryland** – None
 - **Washington, DC** – None
 - **Virginia (Northern)** – None
 - **Delaware** – None
 - **New Jersey (Central & Southern)** – None
 - **Pennsylvania** –
- Delaware River – Conrail Railroad Bridge (Delair, NJ) – Remote Operation Test Deviation.
Coast Guard currently evaluating incorporation of AIS into the bridge remote operations system.
- **Virginia (Southern)** - None
 - **North Carolina** – None

SUMMARY OF DREDGING/MARINE CONSTRUCTION PROJECTS CURRENTLY IN PROGRESS

PA/NJ –DELAWARE RIVER – NAVAL RESERVE BASIN AND FT. MIFFLIN – DREDGING (Charts 12312, 12313)

The Great Lakes Dredge and Dock Company Dredge 54 will be conducting dredging operations in the Naval Reserve Basin; scows will be transporting the material to Ft. Mifflin for hydraulic offloading. Operations will be conducted between August and **October 2016**. Questions or additional information please contact Timothy Kremer, 630-750-5640. Ref LNM 30/16

DE/NJ – DELAWARE RIVER - TINICUM ISLAND, EDDYSTONE, CHESTER AND MARCUS HOOK RANGES - DREDGING AND ROCK REMOVAL - MAIN CHANNEL DEEPENING (Chart 12312)

Great Lakes Dock and Dredge Company will be dredging and blasting between the Tinicum Range and Marcus Range until **15 March 2017**. For questions or comments contact Timothy J. Kremer, 630-750-5640, TJKremer@gldd.com. Ref LNM 27/16

DE – DELAWARE RIVER - CHRISTINA RIVER - WILMINGTON HARBOR – DREDGING (Chart 12311)

The dredge ESSEX will be conducting dredging operations in the Wilmington Harbor in the Christina River from July 16 until **September 30 2016**. Traffic should call the dredge ESSEX 30 minutes prior to expected time of passage to make passing arrangements. Hours of work are 24 hours a day, 7 days a week. Mariners can contact the dredge ESSEX on VHF-FM channel 13 or 16 for information.

PA – DELAWARE RIVER – MARCUS HOOK, PA – DOCK CONSTRUCTION (Chart 12312)

Commerce Construction Corporation crane barge SAMSON will be performing dock construction work on the Sunoco logistics dock #1A in the Delaware River at the Marcus Hook industrial complex, Marcus Hook, PA. Work is expected to be completed on or about **30 June, 2017**. Ref LNM 05/16

PA – DELAWARE RIVER – CRITICAL LIFT OPERATIONS (Chart 12312)

Mariners are advised that the crane barge SAMSON will be conducting critical lift operations in the Delaware River, in Marcus Hook, PA from February until **30 June, 2017**. Ref LNM 08/16

PA/NJ – DELAWARE RIVER – DREDGING OPERATIONS (Chart 12313)

Charter Contracting will be performing mechanical dredging operations in the Delaware River, at GP Gypsum Corporation, in Camden, NJ from July 1, 2016 to **February 28, 2017**. A 48ft by 125ft deck barge with excavator and clamshell bucket, 2 hopper scows, 1 push boat, and 1 work boat will be in the vicinity. Ref LNM 26/16

NJ – SANDY HOOK TO LITTLE EGG HARBOR - SHARK RIVER – DREDGING (Chart 12324)

Mobile Dredging and Pumping will be conducting dredging of the main navigational channel in the Shark River, near Neptune City, NJ, from September 6 through **October 7, 2016**, from 7 a.m. to 7 p.m. on Mondays through Fridays. From Fridays 7 p.m. through Mondays at 7 a.m. the channel will be open but with on-going active dredging operations. The Coast Guard is establishing a Safety Zone that will close the main navigational channel at these times on all the navigable waters on the Shark River from latitude 40° 10' 53.2579"N, longitude 074° 01' 52.6231"W, bounded by the eastern side of the channel and the western side of the channel, north, to latitude 40° 11' 21.0139"N, longitude 074° 01' 53.1749"W. Transiting or anchoring within this portion of Shark River during these times is prohibited. Vessels are requested to contact the dredge via VHF-FM channel 6, 13 or 16 to make satisfactory passing arrangement. Ref LNM 37/16

NJ- LITTLE EGG INLET TO HEREFORD INLET - GREAT EGG HARBOR INLET (Chart 12316, 12318)

Great Lakes Dredging Company is currently demobilizing dredging equipment and dredge pipeline from Great Egg Harbor Inlet borrow area, off the coast of Peck Beach in Ocean City. During demobilization a portion of the pipeline was found shoaled in and covered with bottom sediment. The pipeline location begins 2658ft from the Peck Beach ocean front beginning at point 39d 16' 57"N, -074d 32' 41"W, then east to 39d 16' 56"N, -74d 32' 26"W, then east to 39d 16' 54"N, -074d 32' 16"W, then ending north east at point 39d 17' 1"N, -074d 32' 8"W. The pipeline covered in shoal sediment has approximately 5-6ft depth at MLLW.

NJ – GREAT EGG HARBOR BAY – DRAG CHANNEL - BRIDGE CONSTRUCTION & DEMOLITION UPDATE (Chart 12316)

Mariners are advised that marine work consisting of several activities including but not limited to temporary cofferdam construction, superstructure erection and demolition are in progress through **December 2018** for the replacement of the existing southbound bridges carrying the Garden State Parkway, and rehabilitation of the northbound bridges carrying the Garden State Parkway. Ref LNM 03/16

NJ – GREAT EGG HARBOR INLET – GREAT EGG HARBOR – TUCKAHOE RIVER (Chart 12318)

Mariners are advised of the continued demolition work at the Route 50/State Highway Bridge, at mile 8.0, across Tuckahoe River between Corbin City and Upper Township NJ. Demolition work will include removal of the bridge superstructure, abutment walls, fender system and the bascule piers, work will be conducted from 7:00 a.m. to 3:30 Monday through Friday until **January 2017**.

NJ – GREAT CHANNEL - STONE HARBOR – DREDGING (Chart 12316)

Stevenson Environmental Services will be conducting dredging operations in the Great Channel, in Stone Harbor, NJ from September 20, 2016 through **January 26, 2017**. Dredging will be located in the South Basin, Snug Harbor, Stone Harbor, Pleasure Bay, Carnival Bay, Sanctuary Bay, Paradise Bay, Stone Harbor Hole, and access channels. Dredging is being completed with a mechanical dredge, 24 hours a day, 7 days a week. Ref LNM 37/16

MD – SUSQUEHANNA RIVER – CONOWINGO RESERVOIR – CONSTRUCTION (Chart 12274)

Old Dominion Electric Corporation will commence construction of the Wildcat Point Generation Facility water intake/discharge infrastructure within the Conowingo Reservoir starting on 18 January, 2016, with construction expected to last approximately **30 September, 2016**. Ref LNM 02/16

MD – CHESAPEAKE BAY – APPROACHES TO BALTIMORE HARBOR - PIER FACILITY REHABILITATION (Chart 12278)

Marine Technologies Inc will be conducting crane pier facility rehabilitation on Hart Miller Island from 8 Aug to **22 Oct 2016**, in approximate position 39.1426.62N, 76.2151.89W. Work will be conducted from two Spud Barges during daylight hours. Dustin Hawley, Project Manager, 443-388-0224, 24/7.

MD – BALTIMORE HARBOR – DREDGING (Chart 12281)

On behalf of the Maryland Port Administration a contractor will be conducting dredging operations at the Fairfield Marine Terminal between Piers 3 and 4 between Jul and **Oct 2016**. Please contact Maura Morris, Project Manager at 410-729-8369 for questions or additional information.

MD – CHOPTANK RIVER ROUTE 331 DOVER ROAD – BRIDGE REPLACEMENT (Chart 12268)

McLean Contracting Corporation will commence construction a new bridge just south of the existing Dover Road Route 331 Bridge until **November 2017**. Ref LNM 39/14

MD – CHESAPEAKE BAY – WICOMICO RIVER - HORIZONTAL DIRECTIONAL BORING (Chart 12261)

Delmarva Power & Light Company will be horizontally directionally boring a minimum of 20 feet under the Wicomico River to install electric utility conduits. Entrance and exit location on the south-side of the Wicomico River is at the City of Salisbury Pumping Station and on the north-side of the Wicomico River, east of Hess Road, Salisbury, MD. September 6 to **November 30, 2016**. Please call Chuck Reed, DPL Environmental Planning at 302-283-6076 with any questions. Ref LNM 34/16

DC – UPPER POTOMAC RIVER/WASHINGTON CHANNEL (Chart 12289)

Dockside demolition/bulkhead repair until **December, 2020**. Ref: LNM 12/14

DC – POTOMAC RIVER - WASHINGTON HARBOR – FRANCIS SCOTT KEY BRIDGE – REPAIRS (Chart 12289)

DC DOT repairs to the existing US-29/Francis Scott Key Bridge (also known as the Key Bridge), across the Potomac River at mile 113. Work will begin on September 20, 2016, Mondays through Fridays, from 7 a.m. to 5 p.m. The two-year rehabilitation project includes spalling and spot-repairing the concrete bridge piers, re-surfacing the bridge deck, and installing a fiberglass jacket at the footer of each pier. 40 ft x 80 ft deck barges will be positioned (spudded) next to the bridge piers, within the 200-ft wide span, at all times. Ref LNM 35/16

VA – CHESAPEAKE BAY – YORK RIVER – TEMPORARY MOORING BUOYS (Chart 12241)

Corman Marine established twelve temporary mooring buoys on the York River to support the construction of a new outfall and diffuser for the Hampton Roads Sanitation District Yorktown Water Treatment Plant. Ten of the buoys will be north of the York River Channel, south of Allens Island. The two buoys south of the channel located west of the northern entrance to Goodwin Thorofare Channel. All buoys are white with a blue stripe, and outfitted with a slow flashing white light. Ref LNM 26/16

VA – JAMES RIVER – JAMESTOWN ISLAND TO JORDAN POINT - DREDGING (Chart 12251)

The Cottrell Dredge Marion will be conducting dredging operations on the James River between James River Channel Lighted Buoy 57 (LLNR 12200) and Lighted Buoy 66 (LLNR 12250) from 12 August to **30 October 2016**.

VA – JAMES RIVER/NEWPORT NEWS SHIPBUILDING WATERFRONT (Chart 12248)

Dredging – Dredge MOBRO 112 – **Until further notice**. Ref: LNM 14/14.

VA – ATLANTIC INTRACOASTAL WATERWAY (AICW) – NORFOLK HARBOR TO ALBEMARLE SOUND (Chart 12253)

Dominion Steel Bridge (Rt.17) Replacement; construction ongoing until **February, 2017**. Ref: LNM 07/13.

VA – CHESAPEAKE BAY – ELIZABETH RIVER – MIDTOWN TUNNEL CONSTRUCTION (Chart 12253)

SKW Constructors construction operations of new Midtown Tunnel, channel restrictions, temporary buoys established, barge traffic. **Until further notice**. Ref LNM 33/14, 33/15

VA – ELIZABETH RIVER – LAMBERTS BEND REACH – DREDGING (Chart 12253)

The Dredge Lexington will be conducting dredging operations within the Elizabeth River Channel, Lamberts Bend Reach between Elizabeth River Channel Lighted Buoy 25 (LLNR 9710) and Elizabeth River Channel Lighted Buoy 30 (LLNR 9735) and within the Navy Depoering Station (on the west side of the channel). 1 Sep through **1 Nov 2016**. Ref LNM 36/16

VA – CHESAPEAKE BAY – LITTLE CREEK INLET – DEMOLITION AND REPAIR Work (Chart 12254)

The U.S. Navy is currently conducting demolition and repair work to the ramp adjacent to and East of the entrance jetty to Joint Expeditionary Base Little Creek, VA., until **November 2016**. Ref LNM 52/15

VA – CHESAPEAKE BAY – CAPE CHARLES TO WOLF TRAP – DREDGING OPERATIONS (Chart 12224)

The dredge Rockbridge will be conducting dredging operations in the Cherrystone Inlet Channel from the Cape Charles City Lighted Buoy 1CC (LLNR 21450) to Cape Charles City Light 4 (LLNR 21470) from July 18 through **October 15, 2016**, 24 hours a day, seven days a week. Ref LNM 29/16

VA/NC – CAPE HENRY TO PAMLICO SOUND – INCLUDING ALBEMARLE SOUND - BRIDGE CONSTRUCTION (Chart 12205)

An engineering firm, on behalf of the North Carolina Department of Transportation (NCDOT), will be constructing a new bridge to replace the Herbert C. Bonner Bridge across the Oregon Inlet, at mile 0.9, Dare County, NC. Construction activities will begin on March 7, 2016 and are expected to finish on **August 30, 2019**. Ref LNM 09/16

NC – GALLANTS CHANNEL – BRIDGE CONSTRUCTION (Chart 11545)

Take caution and proceed slowly when approaching the construction site of the New Gallant's Channel Fixed Bridge, over the Gallants Channel in Beaufort, NC. All vessel traffic can expect delays and should adjust voyage plans accordingly. The Orion Marine Construction onsite work supervisor can be contacted on VHF channel 13 and telephone at (813) 334-0208. Ref LNM 12/16

NC – MOREHEAD CITY HARBOR- MOREHEAD CHANNEL – DREDGING (Chart 11547)

25 Jul to **31 Oct 2016**. Dredge DB PAULA LEE and vessels Trojan and Colonel will also be on scene, all vessels will monitor Channels 12, 14, and 82. For further information contact Brad Shoffit (415)-519-4262 or Joe Dunlap (415) 302-8709.

NC – CAPE FEAR RIVER – DREDGING (Chart 11537)

Starting approximately 1 October and continuing until approximately **15 December 2016** the hopper dredge R.N. Weeks will perform maintenance dredging in the Cape Fear River, Baldhead Shoal Channel Reach 3, Battery Channel and Southport Channel. The dredge will monitor marine VHF channels 13 and 16. Project Manager Mr. Matt Henry - (985) 237-5050, mthenry@weeksmarine.com or Mr. Levi Bradley (985) 705-5668, <mailto:rlbradley@weeksmarine.com>. Ref LNM 38/16

SUMMARY OF MARINE EVENTS AND FIREWORKS DISPLAYS IN THE FIFTH COAST GUARD DISTRICT

MD – FENWICK ISLAND TO CHINCOTEAGUE ISLAND – OCEAN CITY INLET - REGULATED AREA

The annual "Ocean City Offshore Grand Prix" is scheduled to occur in the North Atlantic Ocean during **October 8-9, 2016**, between 10 a.m. and 5 p.m. both days. Approximately 40 high-speed offshore power boats (21-50 feet in length) will compete on a marked, closed race course located adjacent to the beach area at Ocean City, MD. As described in the Table to 33 CFR Sections 100.501, a regulated area is established for all waters of the Atlantic Ocean commencing at latitude 38°20'06.33" N. longitude 075°04'39.09" W., thence east to latitude 38°20'03.75" N. longitude 075°04'27.46" W., thence north and parallel to Ocean City shoreline to latitude 38°21'32.00" N. longitude 075°03'46.57" W.; thence west to shoreline at latitude 38°21'34.58" N. longitude 075°04'00.95" W.; thence south to the point of origin. A buffer area, 500 yards in all directions surrounding the perimeter of a Race Area or Marine Event Area within the Regulated Area, is a neutral zone. The purpose of a buffer area is to minimize potential collision conflicts with marine event participants or race boats and spectator vessels or nearby transiting vessels. This area includes all waters of North Atlantic Ocean commencing at a point near the shoreline at latitude 38°21'52" N. longitude 075°04'09" W., thence east to latitude 38°21'44" N. longitude 075°03'21" W., thence southwest and parallel to Ocean City shoreline latitude 38°19'47" N. longitude 075°04'15" W., thence west to the shoreline at latitude 38°19'55" N. longitude 075°04'57" W. A spectator area is designated within all waters of North Atlantic Ocean commencing at latitude 38°20'01" N. longitude 075°04'08.4" W., thence east to latitude 38°19'58" N. longitude 075°03'57" W., thence north and parallel to Ocean City shoreline to latitude 38°21'26" N. longitude 075°03'16" W.; thence west to shoreline at latitude 38°21'29" N. longitude 075°03'27.8" W., thence south to the point of origin. Vessel operation is restricted to operate at No Wake Speed. Spectators are only allowed inside the Regulated Area if they remain within a designated spectator area. Spectators may contact the Coast Guard Patrol Commander to request permission to either enter the Spectator Area or pass through the Regulated Area. If permission is granted, spectators may enter the Spectator Area or must pass directly through the Regulated Area as instructed by PATCOM at safe speed and without loitering. All coordinates reference datum NAD 83. This Regulated Area will be enforced from 9:30 a.m. to 5:30 p.m. on October 8, 2016 and from 9:30 a.m. to 5:30 p.m. on October 9, 2016. The Coast Guard Patrol Commander or designated marine event patrol may forbid and control the movement of all vessels in the Regulated Area. The Coast Guard Patrol Commander and designated marine event patrols may be contacted on marine band radio VHF-FM channel 16. When hailed or signaled by an official patrol vessel, a vessel in the area shall immediately comply with the directions given. Failure to do so may result in expulsion from the area, citation for failure to comply, or both. The Coast Guard may be assisted in the patrol and enforcement of this area by federal, State and local agencies. For any comments or questions contact Coast Guard Sector Maryland-National Capital Region, Waterways Management Division, at (410) 576-2674 or (410) 576-2693. Chart 12211

******MD – BALTIMORE HARBOR – NORTHWEST HARBOR – BALTIMORE INNER HARBOR - PARADE OF SAIL******

The annual "The Great Chesapeake Bay Schooner Race Parade of Sail" is scheduled to occur in Baltimore's Inner Harbor on Wednesday, **October 12, 2016**, between 5 p.m. and 7 p.m. Approximately 20 sailing vessels (30 to 100 feet in length) will depart Baltimore Marine Center-Lighthouse Point in the Northwest Harbor, and operate along a loop-shaped parade course (twice) within Baltimore's Inner Harbor at Baltimore, MD, then return to Baltimore Marine Center-Lighthouse Point. Interested mariners may contact the event coordinator via marine band radio VHF-FM Channels 16 and 72, if necessary. For any comments or questions contact Coast Guard Sector Maryland-National Capital Region, at telephone (410) 576-2674 or (410) 576-2693. Chart 12281

******MD – CHESAPEAKE BAY – BALTIMORE HARBOR – NORTHWEST HARBOR – SAILING REGATTA WEEKLY SERIES******

A sailboat racing weekly series is scheduled to occur in Baltimore Harbor each Thursday evening through **October 6, 2016**, between 5:30 pm and sunset. Approx 13 sailboats will compete along a designated race course located in one of three areas: (i) Inner Harbor, northwest of Tide Point and east of Harborview Tower; (ii) Northwest Harbor, northwest of Fort McHenry National Monument & Historic Shrine and east of Broadway Pier at Fell's Point; or (iii) Northwest Harbor, north of Fort McHenry National Monument & Historic Shrine and south of the Canton Waterfront Park at Baltimore, MD. More information on the Downtown Sailing Center's (DSC) Thursday Night Racing can be obtained at website: www.downtownsailing.org/racing. Interested mariners may contact the DSC Race Committee on marine band radio VHF-FM Channel 71 or via telephone at (410) 727-0722. For any comments or questions contact Coast Guard Sector Maryland-National Capital Region, Waterways Management Division, at (410) 576-2674 or (410) 576-2693. Chart 12281

******MD – CHESAPEAKE BAY – APPROACHES TO BALTIMORE HARBOR – BALTIMORE HARBOR – REGULATED AREA******

Update in red.

The **2016 Baltimore Air Show** is scheduled to occur over the Patapsco River at Baltimore, MD during **October 15-16, 2016**, between 12 Noon and 5 p.m. The event includes air show arrivals and practices during October 13-14, 2016, between 12 Noon and 5 p.m. As described in 33 CFR 100.501, a regulated area is established for all waters of the Patapsco River, within an area bounded by a line connecting position latitude 39°16'00" N., longitude 076°36'30" W.; thence east to latitude 39°16'00" N., longitude 076°33'00" W.; thence south to latitude 39°14'30" N., longitude 076°33'00" W.; thence west to latitude 39°14'30" N., longitude 076°36'30" W.; thence north to point of origin, located between Port Covington and Seagirt Marine Terminal, Baltimore, MD. The effect will be to restrict vessel traffic on the Patapsco River and its tributaries. The regulated area will be enforced each day, from 11 a.m. to 6 p.m., during October 13-16, 2016. At no time will spectators be permitted to obstruct the federal navigation channel outside the regulated area. A designated **spectator area** is located northward of, and immediately adjacent to, the marked aerobatics show box. This spectator area includes all waters of Patapsco River located between the north boundary defined by a line drawn from the vicinity of North Locust Point Marine Terminal, Pier 1 thence east to Canton Industrial area, Pier 5; the south boundary is defined by a line drawn from vicinity of Whetstone Point thence east to Lazaretto Point. This area is located generally where Northwest Harbor, East Channel joins Patapsco River, Fort McHenry Channel, near Fort McHenry National Monument, Baltimore, MD. This area is bound by a line to the north commencing at position latitude 39°16'01" N., longitude 076°34'46" W.; thence east to latitude 39°16'01" N., longitude 076°34'09" W.; and bound by a line to the south commencing at position latitude

39°15'39" N., longitude 076°35'23" W.; thence east to latitude 39°15'26" N., longitude 076°34'03" W. This spectator area is restricted to certain vessels as described in § 100.501 paragraph (g) (2). Only commercial small passenger vessels holding a valid Certificate of Inspection regulated under 46 CFR subchapters K and T (46 CFR §§114.110, and 175.110) will be authorized within this designated on-water spectator area. Vessels that meet the requirements of this section may request access to the Patapsco River spectator area by contacting the Sail Baltimore at (410) 522-7300 or email info@sailbaltimore.org to obtain a vessel spectator area application. Vessel spectator area applications shall be submitted no later than 10 calendar days prior to the event date. Applicants will be notified by the Captain of the Port or representative regarding status of applications and further instructions. All vessels shall contact the Patrol Commander on VHF-FM channels 16 or 22A prior to transiting to the spectator area to confirm entry approval. Vessels approved for spectator area access shall follow the instructions issued by the Patrol Commander when entering the regulated area, including remaining at least 100 yards from commercial waterfront facilities and piers. The regulations for this event will restrict access to some of the anchorage grounds listed at 33 CFR §110.158, Baltimore Harbor, MD, specifically (1) Anchorage No. 1, (2) Anchorage No. 2, (3) Anchorage No. 3 Upper, and (4) Anchorage No. 3 Lower. An **aerobatics show box** is located within the regulated area. This area generally encompasses the eastern part of the Patapsco River-Middle Branch, south of Fort McHenry National Monument, and is bound by a line connecting the following points: **commencing at position latitude 39°15'43.5" N., longitude 076°35'54.3" W.; thence east to latitude 39°15'18.6" N., longitude 076°33'25.2" W.; thence south to position latitude 39°14'52.5" N., longitude 076°33'32.4" W.; thence west to latitude 39°15'17.4" N., longitude 076°36'01.6" W.**; thence to point of origin. Several unlit, floating information and regulatory marks (white and orange) will be established along the boundary of the aerobatics box located within the regulated area. In addition, three large orange inflatable floating markers will be established within the aerobatics box to assist air show performers. All coordinates reference (Datum NAD 1983). The Patrol Commander or designated marine event patrol may forbid and control the movement of all vessels and persons in the regulated area. When hailed or signaled by an official patrol vessel, a vessel or person in the regulated area shall immediately comply with the directions given. Failure to do so may result in expulsion from the area, citation for failure to comply, or both. The operator of any vessel in the regulated area shall: (i) Stop the vessel immediately when directed to do so by any Official Patrol and then proceed only as directed, (ii) All persons and vessels shall comply with the instructions of the Official Patrol, (iii) When authorized to transit the regulated area, all vessels shall proceed at the minimum speed necessary to maintain a safe course that minimizes wake while within the regulated area. The Patrol Commander or designated marine event patrol on Marine Band Radio, VHF-FM channel 16 (156.8 MHz). Updates on the status of the regulated area will be made via Broadcast Notice to Mariners over VHF-FM marine band radio. Patrol Commander means a commissioned, warrant, or petty officer of the U. S. Coast Guard who has been designated by the Commander, Coast Guard Sector Maryland-NCR. Official Patrol means any vessel assigned or approved by Commander, Coast Guard Sector Maryland-NCR with a commissioned, warrant, or petty officer on board and displaying a Coast Guard ensign. Marine Event Patrol means any vessel assigned by the Coast Guard, as described in 33 CFR §100.40, to patrol the event. Vessels or persons violating the regulation may be liable pursuant to 33 U.S.C. 1236. The maximum civil monetary penalty for violation of 33 U.S.C. 1236 is found at 33 CFR 27.3 (Penalty Adjustment Table). Questions about this notice should be addressed to the Coast Guard Sector/Captain of the Port Maryland-National Capital Region, Waterways Management Division, at telephone (410) 576-2674 or (410) 576-2519, or email D05-DG-SectorMD-NCR-MarineEvents@uscg.mil. Chart 12281

MD – CHESAPEAKE BAY – APPROACHES TO BALTIMORE HARBOR – PATAPSCO RIVER – SAILING REGATTA

An annual sailboat race is scheduled to occur in the Patapsco River on **October 8, 2016**, from 11 a.m. to 5 p.m. Approximately 45 sail boats (20 to 50 feet in length) will compete on a designated course located between Fort Carroll and Inner Harbor Piers 1 and 3 at Baltimore, MD. The sail race will start at 12 Noon. More information can be obtained at website: www.ussconstellationcup.org. Interested mariners may contact the 2016 USS Constellation Cup Race Committee on marine band radio VHF-FM channel 72. For any comments or questions contact Coast Guard Sector Maryland-National Capital Region, Waterways Management Division, at (410) 576-2674 or (410) 576-2693. Charts 12278, 12281

******MD – CHESAPEAKE BAY – APPROACHES TO BALTIMORE HARBOR – PATAPSCO RIVER – SAILING REGATTA******

An annual distance sailboat race is scheduled to occur in the Approaches to Baltimore Harbor and Patapsco River on **October 22, 2016**, from 10 a.m. to 6 p.m. Approximately 75 sail boats (25 to 50 feet in length) will compete on a designated course located between Baltimore Light (LLNR 8035) and Fells Point at Baltimore, MD. More information can be obtained at Baltimore City Yacht Association's (BCYA) website: www.bcy.com. Interested mariners may contact the BCYA Race Committee on marine band radio VHF-FM channel 72. For any comments or questions contact Coast Guard Sector Maryland-National Capital Region, Waterways Management Division, at (410) 576-2674 or (410) 576-2693. Charts 12278, 12281

MD – CHESAPEAKE BAY – BALTIMORE HARBOR – SAILING REGATTA WEEKLY SERIES

The annual sailboat racing weekly series is scheduled to occur in Baltimore Harbor each Tuesday evening, from April 12 through **October 18, 2016**, from 6 p.m. to 9 p.m. Approximately 25 sail boats in three fleets (25 to 40 feet in length) will compete in a single race on a designated course located between the Francis Scott Key (I-695) Memorial Bridge and the Fort McHenry National Monument and Historic Shrine at Baltimore, MD. More information can be obtained at the Baltimore City Yacht Association's (BCYA) website: www.bcy.com. Interested mariners may contact the BCYA Race Committee on marine band radio VHF-FM channel 72. For any comments or questions contact Coast Guard Sector Maryland – National Capital Region, Waterways Management Division, at (410) 576-2674 or (410) 576-2693. Chart 12281

MD – CHESAPEAKE BAY – COVE POINT TO THOMAS POINT – SAIL RACES

The Naval Academy Sailing Squadron (NASS) Regattas are scheduled to occur on the middle Chesapeake Bay, between the Wm. P. Lane, Jr. Memorial (US-50/301) Bridges and Thomas Point, MD, with four individual events scheduled from 9 a.m. to 5 p.m. on the following dates during 2016: April 16 (NASS Spring Race); September 17-18 (Shields Cup Regatta); October 22-23 (McMillan Cup Regatta); and **November 5-6** (Kennedy Cup Regatta). Each regatta consists of participating sailboats from 25 to 50 feet in length. The Race Committee can be contacted via marine band radio VHF-FM channels 16 and 77. More information is available at website: <http://nass.sailregattas.com>. For any comments or questions contact Coast Guard Sector Maryland – National Capital Region, Waterways Management Division, at (410) 576-2674 or (410) 576-2693. Chart 12270

******MD – CHESAPEAKE BAY – SEVERN RIVER – SPA CREEK - REGULATED AREA******

The annual "The Maritime Republic of Eastport Tug of War charity event" is scheduled to occur across Spa Creek on **November 5, 2016**, from 11 a.m. until 2 p.m. The annual event includes a 1,500-foot rope stretched across Spa Creek, between the Annapolis City Dock and Second Street in Eastport. As described in the Table to 33 CFR Sec. 100.501, special local regulations establish a Regulated Area for all waters of Spa Creek, from shoreline to shoreline. The waters of Spa Creek from shoreline to shoreline, extending 400 feet from either side of a rope spanning Spa Creek from a position at latitude 38°58'36" N., longitude 076°29'04.7" W. at Annapolis City Dock, thence to a position at latitude 38°58'25" N., longitude 076°28'52.4" W., at Eastport, MD shoreline, near the foot of 2nd Street. The regulated area will be enforced from 11 a.m. through 2 p.m. on November 5, 2016. The Coast Guard Patrol Commander or designated marine event patrol may forbid and control the movement of all vessels in the Regulated Area. The marine event patrol and PATCOM may be contacted on VHF-FM Channel 16. Only designated marine event participants and their vessels and official patrol vessels are authorized to enter the regulated area. When hailed or signaled by an official patrol vessel, a vessel in the area shall immediately comply with the directions given. Failure to do so may result in expulsion from the area, citation for failure to comply, or both. Mariners are urged to schedule their transits on this waterway beyond the enforcement times. For any comments or questions contact Coast Guard Sector Maryland-National Capital Region at (410) 576-2674 or (410) 576-2693. Charts 12282, 12283

******MD – CHESAPEAKE BAY – SEVERN RIVER – SPA CREEK – REGULATED AREA******

The "2016 Eastport Yacht Club Lights Parade" is scheduled to occur in Annapolis Harbor and Spa Creek on **December 10, 2016**, from 5 p.m. to 8:30 p.m. The event consists of two separate, designated boat parade routes. As described in Title 33 CFR Section 100.501, Coast Guard special local regulations establish a temporary Regulated Area for all waters of Spa Creek and the Severn River, shoreline to shoreline, bounded on the east by a line drawn from Triton Light, at latitude 38°58'53.1" N., longitude 076°28'34.3" W., thence southwest to Horn Point, at 38°58'20.9" N., longitude 076°28'27.1" W., and bounded on the west by a line drawn along 076°30'00" W., that crosses the western end of Spa Creek, at Annapolis, MD. The Regulated Area will be enforced from 4:30 p.m. to 9:30 p.m. on December 10, 2016. The Coast Guard Patrol Commander or designated marine event patrol may forbid and control the movement of all vessels in the regulated area. The marine event patrol and Patrol Commander may be contacted on marine band radio channel VHF-FM 16. When hailed or signaled by an official patrol vessel, a vessel in the area shall immediately comply with the directions given. Failure to do so may result in expulsion from the area, citation for failure to comply, or both. Mariners are urged to schedule their transits on this portion of the waterway beyond the enforcement times. For any comments or questions contact Coast Guard Sector Maryland-National Capital Region, at (410) 576-2674 or (410) 576-2693. Charts 12282, 12283

******MD – CHESAPEAKE BAY – COVE POINT TO SANDY POINT – SAILING RACES******

The Eastport Yacht Club's (EYC) annual sailing regattas are scheduled to occur on the Chesapeake Bay and the Severn River, with two individual events scheduled between 9 a.m. and 6 p.m. on the following dates in 2016: **October 20-23** (*J/70 Corinthian National Championship*) south of the William P. Lane, Jr. (US-50/301) Memorial Bridges, between Hackett Point and Thomas Point; and **November 26** (*2016 Leftover Bowl*) on the Severn River. More information can be obtained at the EYC website at race.committee@eastportyc.org. For any comments or questions, contact Coast Guard Sector Maryland-National Capital Region, Waterways Management Division, at (410) 576-2674 or (410) 576-2693. Chart 12270

MD – CHESAPEAKE BAY – COVE POINT TO SANDY POINT – SEVERN RIVER – SAILING REGATTAS

The Annapolis Yacht Club's (AYC) annual sailing regattas are scheduled to occur in the Severn River and the Chesapeake Bay, near the mouth of the Severn River, between 10 a.m. and 4 p.m., with 21 individual events scheduled on the following dates in 2016: July 23 (*Summer One Design*); September 3-4 (*Annapolis Labor Day*), September 9-11 (*U.S. Women's Match Race Championship*), September 10 (*Fall Harbor*), September 13-15 (*Warrior Sailing Project*), September 24-25 (*Inter-Club Team Race*); October 1-2 (*Fall Series Weekend 1*), October 8 (*Fall Series Distance Race*), October 15-16 (*Fall Series Weekend 2*), October 22-23 (*Fall Eschells - Lippincott and Halloween Howl*), **October 29-30** (*J/105 & J/35 Fall Championships*). The AYC Race Committee can be contacted at racechair@annapolisyc.org. For any comments or questions, contact Coast Guard Sector Maryland – National Capital Region, Waterways Management Division, at (410) 576-2674 or (410) 576-2693. Charts 12270, 12282, 12283

******MD – CHESAPEAKE BAY – PATUXENT RIVER AND VICINITY – REGULATED AREA – (UPDATE)******

The "Naval Air Station Patuxent River Air Expo" is scheduled to occur during **October 29-30, 2016**, from 1 p.m. to 5:30 p.m. both days. The public event will consist of military and civilian aircraft performing low-flying, high-speed precision maneuvers and aerial stunts over both the airfield at Naval Air Station Patuxent River and adjacent navigable waters. Federal aviation restrictions require that portions of the aerobatic performances take place over specified waters of the Chesapeake Bay and Patuxent River. In addition to the air show dates, air show performers will conduct arrival and circle maneuvers on October 27, 2016, from 12 Noon to 4 p.m., and an air show rehearsal on October 28, 2016, from 1 p.m. to 5:30 p.m. As described in the Table to 33 CFR 100.501, a regulated area is established during October 28-30, 2016. The following locations are regulated areas: All waters of the lower Patuxent River near Solomons, Maryland, located between Fishing Point and base of break wall marking the entrance to East Seaplane Basin at Naval Air Station Patuxent River (adjacent to approach for runway 14), within an area bounded by a line commencing near the shoreline at latitude 38°17'39" N., longitude 076°25'47" W., thence northwest to latitude 38°17'47" N., longitude 076°26'00" W., thence northeast to latitude 38°18'09" N., longitude 076°25'40" W., thence southeast to latitude 38°18'00" N., longitude 076°25'25" W., located near the shoreline at U.S. Naval Air Station Patuxent River, Maryland. All waters of Chesapeake Bay, located approximately 500 yards north of break wall marking entrance to Chesapeake Bay Basin, Naval Air Station Patuxent River (adjacent to approach for runway 32), within an area bounded by a line commencing near the shoreline at latitude 38°16'53.9" N., longitude 076°23'29.2" W., thence southeast to latitude 38°16'40" N., longitude 076°23'05" W., thence southwest to latitude 38°16'19" N., longitude 076°23'25" W., thence northwest to latitude 38°16'30.4" N., longitude 076°23'44.9" W., located near the shoreline at U.S. Naval Air Station Patuxent River, Maryland. All coordinates reference Datum NAD 1983. These regulated areas will be enforced

from 11:30 a.m. to 6:30 p.m., each day, on **October 28, 2016, October 29, 2016, and October-30, 2016**. The Coast Guard Patrol Commander or designated marine event patrol may forbid and control the movement of all vessels in the regulated area. When hailed or signaled by an official patrol vessel, a vessel in the area shall immediately comply with the directions given. Failure to do so may result in expulsion from the area, citation for failure to comply, or both. The marine event patrol and Patrol Commander may be contacted on VHF-FM Channel 16. The Coast Guard Patrol Commander may terminate the event, or the operation of any vessel participating in the marine event, at any time if deemed necessary for the protection of life or property. Only designated marine event participants and their vessels and official patrol vessels are authorized to enter the regulated area. Mariners should expect the presence of orange marker buoys to indicate the corners of the aerobatic box. At no time will spectators be permitted to enter the marked areas or obstruct the federal navigation channel outside the regulated area. The Coast Guard may be assisted in the patrol and enforcement of this area by other Federal, State and local agencies. For any comments or questions, contact Coast Guard Sector Maryland-National Capital Region at (410) 576-2674 or (410) 576-2525. Charts 12264, 12284

VA - MD - CHESAPEAKE BAY – DISTANCE SAILING REGATTA

The annual "The Great Chesapeake Bay Schooner Race" is scheduled to occur on the Chesapeake Bay during **October 13-14, 2016**. The race consists of up to 20 participating sailing vessels (from 30 to 150 feet in length) departing from Fells Point in Baltimore, MD on Thursday, October 13, 2016 at 8:30 a.m., then proceeding to the race start, located outside the federal navigation channel just south of the William. P. Lane Jr. Memorial Bridges (US-50/301) near Annapolis, MD, is scheduled at approximately 1:30 p.m. A small spectator fleet is expected at the start of the race. The finish is located at Windmill Point Light (LLNR 7330) and Thimble Shoal Light (LLNR 9310), and afterwards, participants will proceed to docking in Portsmouth, VA. Interested mariners may contact the "Schooner Race Committee" on marine band radio VHF-FM channel 16. For any comments or questions contact Coast Guard Sector Maryland-National Capital Region, Waterways Management Division, at (410) 576-2674 or (410) 576-2693. Chart 12270, 12280

VA - MD - CHESAPEAKE BAY - HAMPTON ROADS

The GCBSR will be hosting the Great Chesapeake Bay Schooner Race. The vessels will be departing from the Canton Waterfront in Baltimore, MD on **October 13, 2016** at 1:30 p.m. and will end in the vicinity of Old Point Comfort in Hampton, VA. Mariners are requested to use caution while transiting the area.

VA - CHESAPEAKE BAY - HAMPTON ROADS

The Cruising Club of Virginia will be hosting the CCV 2016 Fall Series on the Chesapeake Bay in the vicinity of Hampton Roads on September 18 and 25, 2016 and on the lower Chesapeake Bay on **October 9, 2016**, from 10 a.m. to 4:30 p.m. each day. Mariners are requested to use caution while transiting the area.

VA - CHESAPEAKE BAY - PIANKATANK RIVER - DELTAVILLE

The Fishing Bay Yacht Club's Offshore Fall Series #4 2016, will occur in the Chesapeake Bay at the mouth of the Piankatank River. This event will take place on **October 22, 2016** beginning at 9:00 a.m. and ending at 5:00 p.m.. Mariners are requested to use caution when transiting the area. Chart 12235

VA - CHESAPEAKE BAY - PIANKATANK RIVER - DELTAVILLE

The Fishing Bay Yacht Club's Offshore Fall Series #3 2016, will occur in the Chesapeake Bay at the mouth of the Piankatank River. This event will take place on **October 8, 2016** beginning at 9 a.m. and ending at 5 p.m. Mariners are requested to use caution when transiting the area. Chart 12235

VA - CHESAPEAKE BAY - PIANKATANK RIVER - DELTAVILLE

Mariners are advised that the Fishing Bay Yacht Club's Offshore Closing Day & Oyster Roast, will occur on the Chesapeake Bay at the mouth of the Piankatank River. This event will take place on **November 29, 2016** beginning at 9 a.m. and ending at 5 p.m. Mariners are requested to use caution when transiting the area. Chart 12235

VA - CHESAPEAKE BAY - HILLS BAY

The Fishing Bay Yacht Club's Chesapeake Bay Laser Master Regatta, will occur on Hills Bay near Gwynn Island in Milford Haven, VA. This event will take place on October 15 and **October 16, 2016**, beginning at 9 a.m. and ending at 5 p.m., each day. Mariners are requested to use caution when transiting the area. Chart 12235

VA - CHESAPEAKE BAY - HILLS BAY

Mariners are advised that the Fishing Bay Yacht Club's Laser Frostbite, will occur on Hills Bay near Gwynn Island in Milford Haven, VA. This event will take place on **October 6, 2016** beginning at 9 a.m. and ending at 5 p.m. Mariners are requested to use caution when transiting the area. Chart 12235

VA - CHESAPEAKE BAY - HAMPTON FLATS

The Cruising Club of Virginia will be hosting the 2016 CCV Octoberfest Race Series on the Chesapeake Bay in the vicinity of Hampton Flats in Norfolk, VA. This event will take place on **October 5, 12, 19, 26, 2016** beginning at 5:30 p.m. and ending at 6:30 p.m. Mariners are requested to use caution when transiting the area. Chart 12245

VA - CHESAPEAKE BAY - HAMPTON ROADS

Mariners are advised that the Hampton Yacht Club will be hosting the Frostbite Series that will be held every Sunday from 12 p.m. to 4 p.m beginning on October 30, 2016 and ending on **November 27, 2016**. The Frostbite Series will occur in Hampton Roads and Hampton Flats in Hampton Roads, VA. Mariners are requested to use caution when transiting the area.

VA - CHESAPEAKE BAY - ELIZABETH RIVER

The Portsmouth Boat Club Barnacle Series Races will occur in the Elizabeth River from Lambert Bend to Town Point Reach. These events will take place on April 15, 22 and 29, 2016; May 6, and 13, 2016; July 1, 8, 15, 22 and 29, 2016; August 5, 2016; September 2, 9, 16, 23 and 30, 2016, beginning at 5:45 p.m. and ending at 8:30 p.m. Races that are scheduled for May 21 and **October 8, 2016** will begin at 9:30 a.m. and end at 12:30 p.m. Mariners are requested to use caution when transiting the area.
Chart 12253

VA - CHESAPEAKE BAY - ELIZABETH RIVER - LAFAYETTE RIVER

Mariners are advised that the Hampton Roads Rowing Club will be hosting the Head of the Lafayette Regatta on the Lafayette River in Norfolk, VA from 6 a.m. until 3 p.m. on **October 20, 2016**. Mariners are advised to transit the area with caution.

VA - VIRGINIA BEACH WATERFRONT

Mariners are advised that Surf for the Cure (SUP Race), will occur on the Virginia Beach waterfront in the vicinity of 2nd Street, with an inclement weather location in Rudee Inlet. This event will take place on **October 15, 2016** beginning at 7:30 a.m. and ending at 10:30 a.m., with an inclement weather date of October 16, 2016. Mariners are requested to use caution when transiting the area.

VA - DISMAL SWAMP

The Virginia Beach Paddlesports will be hosting the 50 Dismal Miles Paddle Race, in Dismal Swamp in Chesapeake, VA. This event will take place on **October 1, 2016** beginning at 6 a.m. and ending at 6 p.m. Mariners are requested to use caution when transiting the area.

VA - SMITH MOUNTAIN LAKE – HUDDLESTON

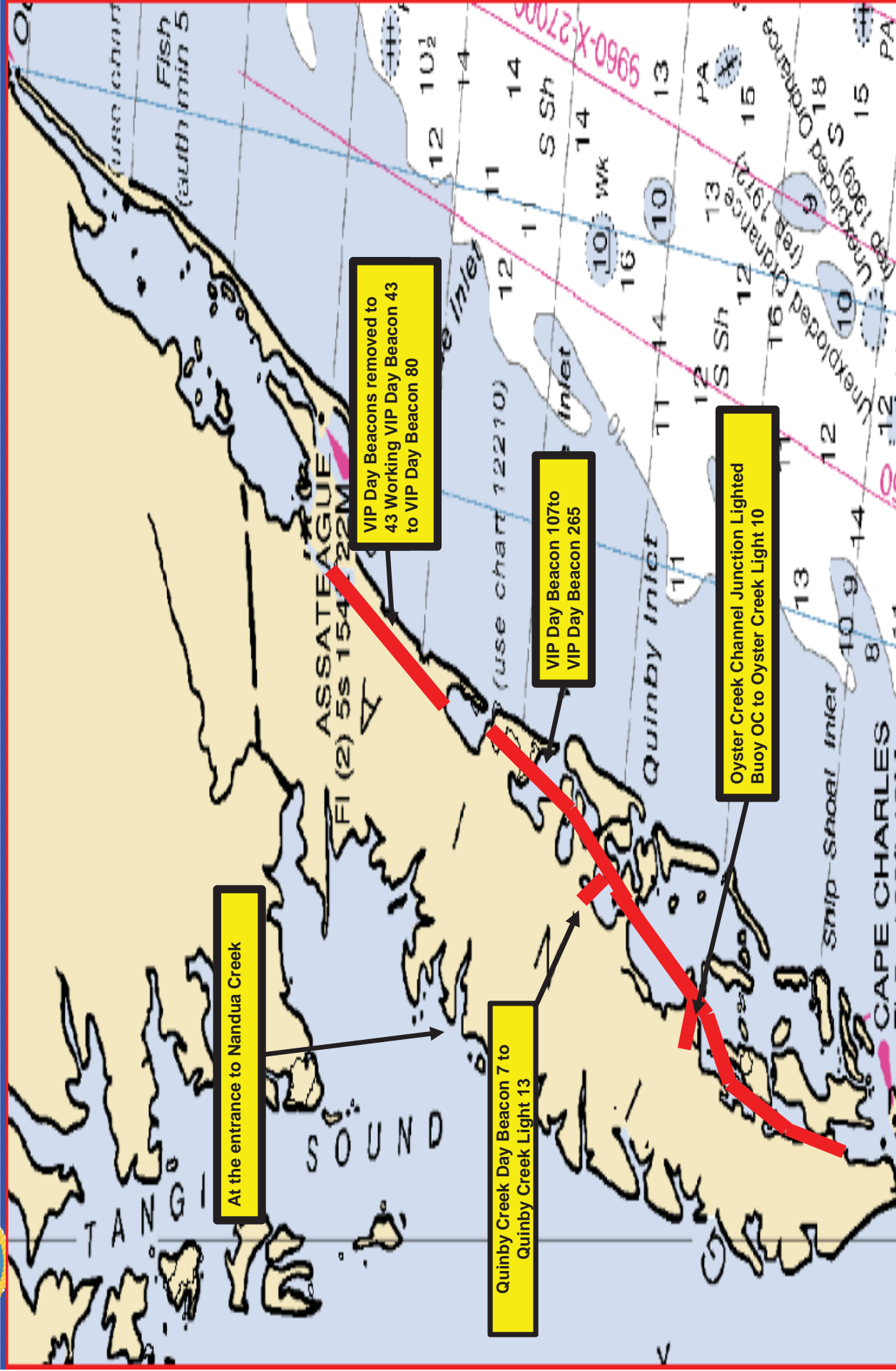
The Liberty Triathlon will occur on Smith Mountain Lake, Huddleston, VA. This event will take place on **October 15, 2016**, beginning at 9 a.m. and ending at 10:30 a.m. Mariners are requested to use caution and bare steerage when transiting the area.

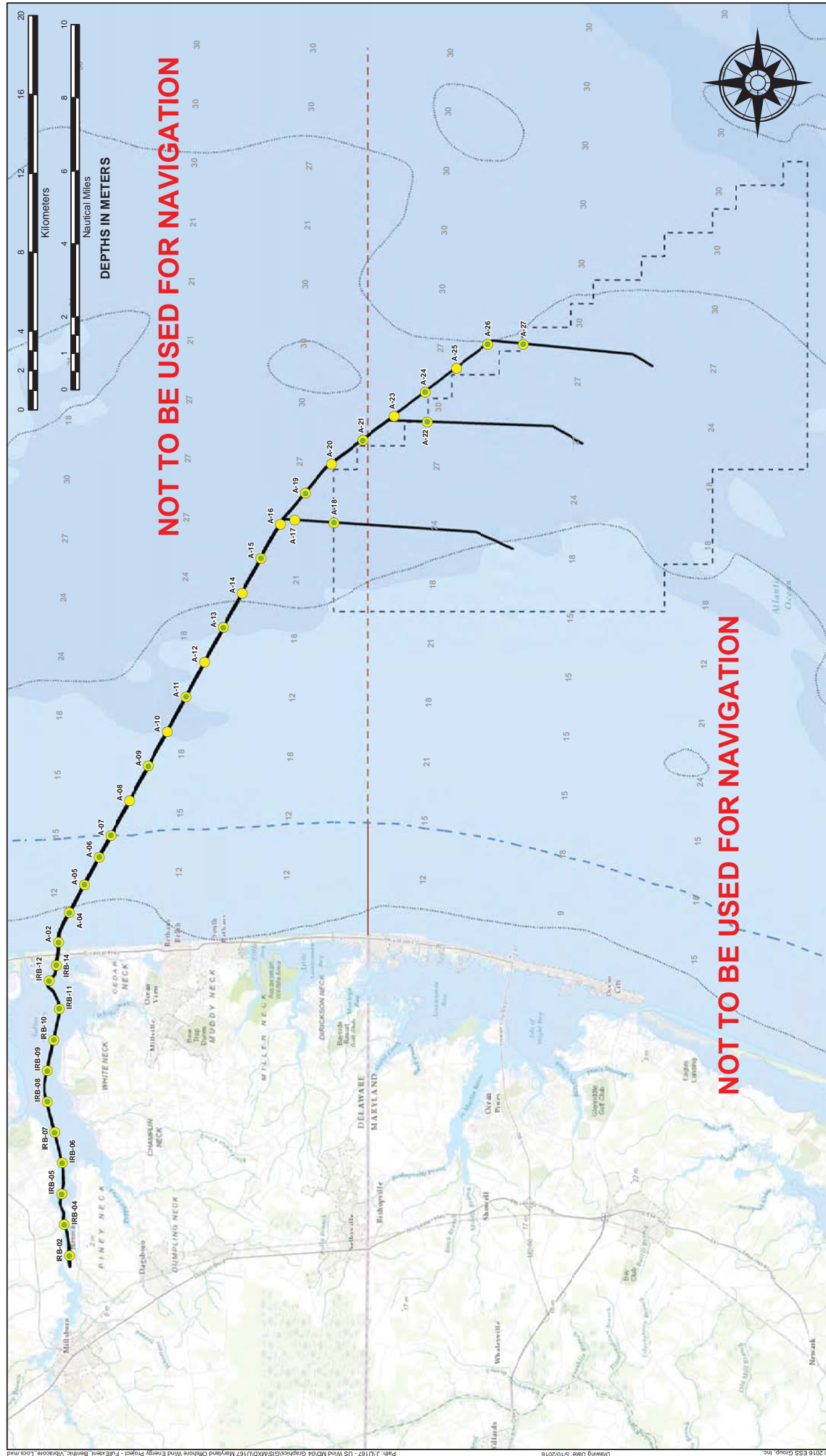
NC – CAROLINA YACHT CLUB SAILBOAT RACES

The "Carolina Yacht Club Sailboat" races will be conducted throughout the year from May 14, 2016 through **December 10, 2016** at various times. These sailing races will include approximately 10 - 100 participants, and sailing boats ranging from 13 - 37' feet in length. The races will be held on the Atlantic Ocean, Banks Channel, Motts Channel and Greenville Sound in Wrightsville Beach, NC. Specific sailboat races times or schedule can be provided by calling the Carolina Yacht Club at (910) 256-3396. No restrictions will be placed on the use of any navigable waters by other parties.
Chart 11541



WWW VIP SHOALING

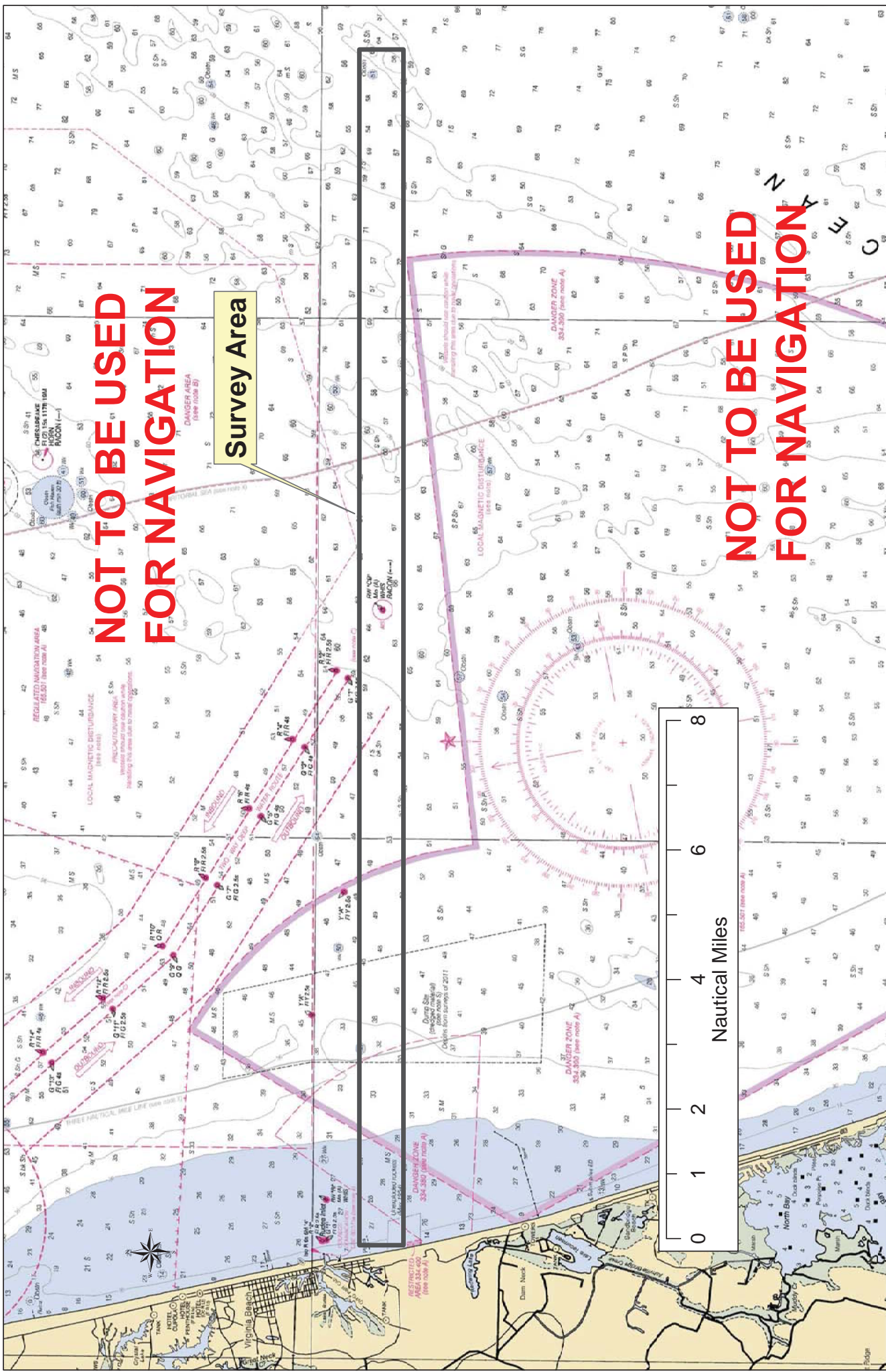




Maryland Offshore Wind Energy Project
Offshore Maryland

1 centimeter = 1,900 meters
Source: 1) ESS, Export Cable Route, 2016
2) BOEM, Wind Planning Areas, 2013
3) NOAA, Raster Nautical Charts, 2016 3) VACAPESQArea, Georeferenced - BOEM EA, 2016

Figure 1



**NOT TO BE USED
FOR NAVIGATION**

**NOT TO BE USED
FOR NAVIGATION**

